



Naval Facilities Engineering Command Southwest  
BRAC PMO West  
San Diego, CA

**Draft**

## **Radiological Scoping Survey Report**

Parcel F Structures—Finger Piers

Hunters Point Naval Shipyard, CA

August 2020

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DCN: APTM-0006-4550-0108

**Prepared for:**

Department of the Navy  
Naval Facilities Engineering Command Southwest  
BRAC PMO West  
33000 Nixie Way, Bldg. 50  
San Diego, CA 92147

**Prepared by:**

Aptim Federal Services, LLC  
4005 Port Chicago Highway, Suite 200  
Concord, CA 94520  
Contract Number: N62473-17-D-0006; Task Order: N6247317F4550



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BRAC PMO West  
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Scott Hay, Principal Health Physicist  
Main Author  
Cabrera Services, Inc.

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Date

---

Rick Greene, CHP  
Radiation Safety Technical Reviewer  
Aptim Federal Services, LLC

---

Date

---

Raymond Schul  
Radiological Operations Manager  
Aptim Federal Services, LLC

---

Date

---

Lisa Bercik, PE  
Project Manager  
Aptim Federal Services, LLC

---

Date

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## Acronyms and Abbreviations

<sup>90</sup> Sr	.....	strontium-90
<sup>137</sup> Cs	.....	cesium-137
<sup>226</sup> Ra	.....	radium-226
<sup>239</sup> Pu	.....	plutonium-239
AM	.....	<i>Final Basewide Radiological Removal Action, Action Memorandum—Revision 2006, Hunters Point Shipyard, San Francisco, California</i>
APTIM	.....	Aptim Federal Services, LLC
cm	.....	centimeter
cm <sup>2</sup>	.....	square centimeter
CSM	.....	conceptual site model
CSO	.....	Caretaker Site Office
dpm	.....	disintegration per minute
dpm/100 cm <sup>2</sup>	.....	disintegration per minute per 100 square centimeters
DQO	.....	data quality objective
EPA	.....	U.S. Environmental Protection Agency
FCR	.....	field change request
GPS	.....	global positioning system
HPNS	.....	Hunters Point Naval Shipyard
HRA	.....	<i>Final Historical Radiological Assessment Volume II, History and the Use of General Radioactive Materials, 1939-2003</i>
IL	.....	investigation level
ISO	.....	International Organization for Standardization
MARSSIM	.....	<i>Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)</i>
MDC	.....	minimum detectable concentration
MeV	.....	megaelectron volt
N	.....	number
NaI	.....	sodium iodide
NAVSEA	.....	Naval Sea Systems Command
Navy	.....	U.S. Department of the Navy

## Acronyms and Abbreviations (continued)

NIST	.....	National Institute of Standards and Technology
NRC	.....	U.S. Nuclear Regulatory Commission
PRSO	.....	Project Radiation Safety Officer
QC	.....	quality control
RBA	.....	reference background area
RCT	.....	radiological control technician
ROC	.....	radionuclide of concern
ROICC	.....	Resident Officer in Charge of Construction
RPM	.....	Remedial Project Manager
SAP	.....	sampling and analysis plan
SU	.....	survey unit
Work Plan	.....	<i>Final Revision 2, Radiological Scoping Surveys Work Plan, Parcel F Structures, Hunters Point Naval Shipyard, San Francisco, California</i>

## 1.0 Introduction

This radiological scoping survey report presents the activities implemented by Aptim Federal Services, LLC (APTIM) during the radiological scoping surveys of the finger piers, located in Parcel F adjacent to Parcels D-1 and E at Hunters Point Naval Shipyard (HPNS), San Francisco, California (Figures 1 and 2). The scoping survey was performed for the U.S. Department of the Navy (Navy), Naval Facilities Engineering Command Southwest, under Contract No. N62473-17-D-0006, Contract Task Order N6247317F4550. Base Realignment and Closure Program Management Office West managed the work elements under this contract task order.

Based on the radiological operational history described in the *Final Historical Radiological Assessment Volume II, History of the Use of General Radioactive Materials, 1939-2003* (HRA; Naval Sea Systems Command [NAVSEA], 2004), the Navy determined that low-level radioactive contamination is potentially present at the finger piers. This decision was presented in the *Final Basewide Radiological Removal Action, Action Memorandum—Revision 2006, Hunters Point Shipyard, San Francisco, California* (AM; Navy, 2006). The purpose of the AM was to document the Navy's decision to perform time-critical removal actions at areas throughout HPNS that could contain localized radioactive contamination and substantially eliminate identified exposure pathways to surrounding populations and nearby ecosystems.

The Navy identified the applicable or relevant and appropriate requirements for the HPNS removal actions, which were presented in AM Appendix A (Navy, 2006). The cleanup goals for localized radioactive contamination at HPNS presented in the AM were derived in consultation with federal and state regulators to meet the most conservative requirements at the time the AM was being written.

The HRA (NAVSEA, 2004) lists cesium-137 ( $^{137}\text{Cs}$ ), plutonium-239 ( $^{239}\text{Pu}$ ), radium-226 ( $^{226}\text{Ra}$ ), and strontium-90 ( $^{90}\text{Sr}$ ) as the radionuclides of concern (ROCs) for the finger piers (Table 1). Table 1 provides the radiological release criteria for each ROC. For alpha measurements, the most restrictive release criterion for alpha-emitting ROCs is 100 disintegrations per minute (dpm) per 100 square centimeters ( $\text{cm}^2$ ) (dpm/100  $\text{cm}^2$ ) for  $^{226}\text{Ra}$  and  $^{239}\text{Pu}$ . For beta measurements, the most restrictive release criterion for beta-emitting ROCs is 1,000 dpm/100  $\text{cm}^2$  for  $^{90}\text{Sr}$ .

## 1.1 Project Scope and Objective

The scope of the planned activities consisted of the following elements:

- Develop a work plan and associated appendices (APTIM, 2019)
- Conduct radiological scoping surveys of the finger piers (Figure 2)
- Prepare a scoping survey report for the finger piers (this report)

The objective of these tasks was to provide radiological scoping survey data with sufficient quantity and quality to support future site decisions for the finger piers (Finger Piers 1, 2, and 3 and associated Ship Berths 23 through 28, 30 through 35, and 37 through 42; Figure 2).

## 1.2 Deviations from Planning Documents

Three field change requests (FCRs) were submitted and approved. Appendix B includes the approved FCRs as follows:

- **FCR-003**—clarifies RS-700 procedures and revises the *Final Revision 2, Radiological Scoping Surveys Work Plan, Parcel F Structures, Hunters Point Naval Shipyard, San Francisco, California* (Work Plan; APTIM, 2019) regarding investigation levels (ILs) for consistency throughout the document.
- **FCR-004**—provides additional methods to determine appropriate concrete reference background areas (RBAs).
- **FCR-006**—includes additional methods to assess follow-up locations via gamma spectral analysis.

## 1.3 Report Organization

This report consists of eight sections and provides descriptions of the specific activities involved in the implementation of the survey work, as follows:

- Section 1.0, “Introduction”—provides an introduction, project scope and objectives, and this report organization.
- Section 2.0, “Site Conditions and History”—presents the site location, description and history, ROCs, previous investigations, and conceptual site model (CSM).

- Section 3.0, “Scoping Survey Design”—describes the process for survey design and data quality objectives (DQOs).
- Section 4.0, “Survey Instrumentation”—describes the instrument calibration and calibration checks, as well as the types of instruments used.
- Section 5.0, “Radiological Scoping Survey Field Activities and Results”—describes the fieldwork, and the gamma survey and alpha and beta survey results.
- Section 6.0, “Data Quality Review”—describes the data quality review results.
- Section 7.0, “Conclusions and Recommendations”—provides an evaluation of the field activities, conclusions, and recommendations.
- Section 8.0, “References”—includes a list of documents used to compile this report.
- Appendices A through J—Responses to Comments, Field Change Requests, Photograph Log, Reference Background Area Data, Radiological Instrument Quality Control Documents, Gamma Survey Data, Alpha Beta Survey Data, Laboratory Data Quality Assessment Summary Report, Data Validation Reports, and Analytical Laboratory Data Packages are included as Appendices A, B, C, D, E, F, G, H, I, and J, respectively.

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## **2.0 Site Conditions and History**

This section presents the site location, site description and history, ROCs, previous investigations and removal actions, and CSM.

### **2.1 Site Location**

HPNS is located in southeastern San Francisco on a peninsula that extends east into the San Francisco Bay (Figure 1). HPNS consists of 866 acres: 420 acres on land and 446 acres underwater in the San Francisco Bay. Parcel F comprises approximately 446 acres offshore of HPNS.

The finger piers (Finger Piers 1, 2, and 3 and associated Ship Berths 23 through 28, 30 through 35, and 37 through 42) are located in Parcel F and extend from Parcels D-1 and E (Figure 2). The finger piers extend a few feet inland from the water edge and include concrete surfaces and other infrastructure (e.g., open and closed manholes, metal grates, one small structure on the finger piers [not included in this scoping survey], other debris).

### **2.2 Site Description and History**

The following radiological operations were performed at Finger Piers 1, 2, and 3 and associated Ship Berths 23 through 28, 30 through 35, and 37 through 42:

- Potential berthing of Operation Crossroads ships
- Potential berthing of YGN-73 radioactive waste disposal barge
- Potential berthing of YAG-39 and YAG-40 (support vessels used for on-scene support and research during weapons tests)

Radiological operations generally performed at HPNS that may have radiologically impacted the finger piers included the use of generally licensed radioactive material, including handling and refurbishment of radioluminescent devices. Other activities involving radioactive material included gamma radiography, and the radiological source checks of radiation detection instruments.



## 2.3 Radionuclides of Concern

As determined in the HRA (NAVSEA, 2004), the ROCs for this scoping survey included  $^{226}\text{Ra}$ ,  $^{90}\text{Sr}$ ,  $^{137}\text{Cs}$ , and  $^{239}\text{Pu}$ .

## 2.4 Previous Investigations and Removal Actions

There have been no previous investigations or removal actions at the finger piers.

## 2.5 Conceptual Site Model

Based on the information on past radiological activities and the results from previous surveys conducted at HPNS, a CSM was developed to describe the radiological conditions. The project objectives were developed based on the CSM.

A history of Navy radiological operations at HPNS is provided in the HRA (NAVSEA, 2004). Radioluminescent devices were used on ships and in shipyards to provide markers that could be seen under low-light conditions. These radioluminescent devices included  $^{226}\text{Ra}$  or  $^{90}\text{Sr}$  as a source of radioactivity to generate light. There is a low probability that intact radioluminescent devices could still be present at the finger piers. However, it is more likely traces of radioactivity from damaged, discarded, or lost devices could be present on surfaces associated with the finger piers, although the probability of residual radioactivity from radioluminescent devices is still low.

Ship berths were decontaminated and surveyed following maintenance and decontamination of radiologically impacted ships, as described in HRA Section 6.4.1 (NAVSEA, 2004). ROCs from radiologically impacted ships would include a mixture of fission products, activation products, and actinides.  $^{137}\text{Cs}$  and  $^{239}\text{Pu}$  were selected as ROCs most likely to be present and most likely to be detected as contamination at HPNS. Radioactivity from radiologically impacted ships is most likely to occur where ship surfaces could come into contact with piers. Surveys following decontamination operations failed to identify areas of elevated radioactivity, so the probability of residual radioactivity from radiologically impacted ships at the finger piers is low.

Radioactive wastes from Navy Radiological Defense Laboratory and ship decontamination activities were loaded on barges at HPNS and transported for disposal in the ocean. Radioactive wastes included sandblasting residue from ship decontamination activities, as well as waste from Navy Radiological Defense Laboratory laboratories and experiments (NAVSEA, 2004). Expected radiological waste

constituents include a mixture of fission products, activation products, and actinides.  $^{137}\text{Cs}$  and  $^{239}\text{Pu}$  were selected as representative ROCs for the radioactive waste material. Radioactive wastes were typically sealed in drums or other packages for transport and may have been staged on piers or alongside ship berths prior to loading the waste onto the barges. The potential for residual radioactivity at the piers from leaking waste packages is low. The most likely locations for residual radioactivity are horizontal surfaces adjacent to ship berths where the waste packages could have been staged prior to loading on the YGN-73 barge for disposal. Residual radioactivity also could have migrated from horizontal surfaces of the finger piers to subsurface areas such as manholes, grates, and access ports.

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## **3.0 Scoping Survey Design**

The objective of the radiological scoping surveys was to characterize potential residual radioactivity of the finger piers. A combination of scan surveys, static measurements at systematic and biased locations, and measurements of removable radioactivity at static measurement locations were performed.

### **3.1 Area Classification**

In accordance with the HRA findings (NAVSEA, 2004), which state the current potential for contaminated media including soil, groundwater, structures, drainage systems, and surrounding air are low or none, the finger piers were classified as Class 2 areas in a MARSSIM framework (U.S. Environmental Protection Agency [EPA] et al., 2000). Class 2 areas are limited to a size between 2,000 and 10,000 square meters and meet the following criteria: (1) impacted, (2) low potential for delivering a dose above the release criterion, and (3) little or no potential for small areas of elevated activity.

The Parcel F finger piers consist of three Class 2 SUs (Figure 2). Table 2 includes SU locations, classifications, and descriptions.

### **3.2 Investigation Levels**

The following subsections describe the ILs for the survey for each type of survey. Section 3.4 describes instrumentation used to collect gamma and alpha/beta measurements.

#### **3.2.1 Gamma Scan Survey Investigation Level**

The IL for gamma scan measurements was calculated as the average of gamma scan measurements in each survey unit (SU) plus three standard deviations, as clarified by FCR-003 (Appendix B). If a gamma scan survey result exceeded the IL, then that location was included in the surface area covered by the alpha/beta scanning survey. In addition, a one-minute follow-up gamma static measurement was conducted at locations that exceeded the gamma scan IL. The IL for gamma scan measurements was determined separately for the RS-700 and 3-inch by 3-inch sodium iodide (NaI) detectors.

### **3.2.2 Gamma Static Measurement Investigation Level**

The IL for gamma static measurements was calculated as the average of 20 gamma static measurements for a similar material in an appropriate RBA plus three standard deviations. If a gamma static survey result exceeded the IL, then a follow-up in situ gamma spectroscopy measurement was conducted at that location. The IL for gamma static measurements was determined separately for the 3-inch by 3-inch sodium iodide (NaI) gamma scintillation detector coupled with a Ludlum Model 2221 ratemeter/scaler handheld instrument.

### **3.2.3 Alpha and Beta Scan Survey Investigation Levels**

The ILs for alpha and beta scan measurements were the most conservative (i.e., lowest) of the release criteria provided in Table 1 for alpha and beta-emitting radionuclides. The alpha scan IL was 100 dpm/100cm<sup>2</sup> and the beta scan IL was 1,000 dpm/100cm<sup>2</sup> (Table 1). As stated in the approved Work Plan (APTIM, 2019), two-minute alpha and beta static counts were performed as part of the investigation of scanning results exceeding their respective IL, as needed.

### **3.2.4 Alpha and Beta Static and Smear Investigation Levels**

The ILs for both alpha and beta static measurements were 50 percent of the most conservative of the release criteria provided in Table 1 for alpha and beta-emitting radionuclides. The alpha static IL was 50 dpm/100cm<sup>2</sup> and the beta static IL was 500 dpm/100cm<sup>2</sup>.

The ILs for removable alpha and beta activity were the most conservative of the release criteria provided in Table 1 for alpha and beta-emitting radionuclides. The removable alpha activity IL was 20 dpm/100cm<sup>2</sup> and the removable beta activity IL was 200 dpm/100cm<sup>2</sup> (Table 1).

## **3.3 Review of Data Quality Objectives**

DQOs are qualitative and quantitative statements developed to define the purpose of the data collection effort, clarify what the data should represent to satisfy this purpose, and specify the performance requirements for the quality of information to be obtained from the data. These outputs are used to develop a data collection design that meets the performance criteria and other design requirements and constraints. EPA specified a seven-step process to develop DQOs (EPA, 2006) which was adapted for use in

*Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)* (MARSSIM; EPA et al., 2000). The following subsections summarize the DQOs for this project.

### **3.3.1 Step One—State the Problem**

The HRA (NAVSEA, 2004) identified the Parcel F finger piers as radiologically impacted. Therefore, scoping surveys need to be completed.

### **3.3.2 Step Two—Identify the Decision**

The decision to be made is as follows: “Are levels of residual radioactivity present at the Parcel F structures that would prevent unrestricted release?”

The following alternative actions will result from the resolution of the principle study question:

- If residual radioactivity is found during the radiological surveys at levels that would prevent unrestricted release of the site, then the Navy will be notified of the presence of residual radioactivity to determine the appropriate next steps for further investigation and the areas will be re-surveyed as Class 1 areas.
- If residual radioactivity is not found at levels that would prevent unrestricted release of the site during the radiological surveys, then no further investigation will be performed, and the radiological survey data will be presented in reports and used to support future site decisions for the Parcel F structures.

### **3.3.3 Step Three—Identify Inputs into the Decision**

Radiological surveys included the following:

- Surface gamma scanning surveys for 100 percent for accessible surfaces of the finger piers
- Surface alpha/beta scanning surveys for 25 percent for accessible surfaces of the finger piers
- Static measurements for alpha/beta at a statistically determined number of systematic locations to estimate the average level of residual radioactivity
- Static measurements of alpha/beta or gamma activity at biased locations (as appropriate) to investigate survey results exceeding project ILs

- Measurements of removable alpha/beta activity collected at locations based on the highest static measurements of alpha/beta activity

In addition, solid samples of specified materials were collected to investigate sources of elevated count rates, as required.

### **3.3.4 Step Four—Define the Study Boundaries**

The spatial boundaries for this study are the Parcel F finger piers (Figure 2). The vertical boundary of the project area was limited to the upper surface of the pier. The horizontal boundary was defined by the concrete surfaces forming the finger piers.

### **3.3.5 Step Five—Develop a Decision Rule**

If the results of the survey were consistent with the release criteria (Table 1), then the radiological survey data were presented in reports and used to support future decisions for the Parcel F structures.

If the results of the survey exceed the screening criteria, the site was to be further investigated as described in the decision rules.

- The IL for gamma scan measurements is the average of gamma scan measurements for a SU plus three standard deviations (FCR-003; Appendix B). If a gamma scan survey result exceeds the IL, that location will be included in the surface area covered by the alpha/beta scanning survey. The IL for gamma scan measurements will be determined separately for the RS-700 and gamma scintillator handheld radiation detection instruments.
- The IL for alpha/beta static measurements is 50 percent of the most conservative release criteria provided in Table 1 for alpha and beta-emitting radionuclides. If an alpha or beta static count result exceeds the corresponding IL, the static count will be repeated to confirm the result. If the confirmatory result exceeds the corresponding IL, the APTIM Project Manager and the Project Radiation Safety Officer (PRSO) will be notified that an area of elevated alpha or beta activity has been identified. The APTIM Project Manager and/or the PRSO will notify the Navy.
- The IL for removable alpha or beta activity is the most conservative release criteria provided in Table 1 for alpha and beta-emitting radionuclides. If a removable measurement result for alpha or beta exceeds the IL, a notification

will be made to the APTIM PRSO. The APTIM Project Manager and/or the PRSO will notify the Navy.

### **3.3.6 Step Six—Specify Limits on Decision Errors**

Limits on decision errors are set at 5 percent.

### **3.3.7 Step Seven—Optimize the Design for Obtaining Data**

Operational details for the radiological survey process have been developed, as further discussed in Work Plan Section 7.0 (APTIM, 2019). The theoretical assumptions are based on guidelines contained in MARSSIM (EPA et al., 2000).

## **3.4 Types of Measurements, Instrument Selection, and Minimum Detectable Concentrations**

The following subsections describe the types of measurements performed during the survey, the instruments used for the survey, and the minimum detectable concentrations (MDCs) for the chosen instruments (if applicable). Table 3 provides the types of instruments used in this survey.

### **3.4.1 Gamma Scan Surveys**

The gamma scan surveys were performed for 100 percent of the accessible areas for SUs 4, 5, and 6 using the RS-700 or the 3-inch by 3-inch NaI gamma scintillation detector. The RS-700 survey was utilized for most of the horizontal surfaces, while the 3-inch by 3-inch NaI gamma scintillation detector was used for areas inaccessible to the RS-700.

### **3.4.2 Gamma Static Measurements**

One-minute gamma static measurements were performed at biased locations with the 3-inch by 3-inch NaI gamma scintillation detector.

### **3.4.3 In Situ Gamma Spectroscopy**

The approved Work Plan (APTIM, 2019) stated in situ gamma spectroscopy measurements would be collected at locations exceeding the gamma static IL. No locations on the finger piers exceeded the gamma static IL; so no in situ gamma spectroscopy measurements were performed.



### 3.4.4 Alpha/Beta Scan Surveys

The alpha/beta scan measurements were performed using portable contamination survey instruments, specifically, the Ludlum Model 43-37 gas flow proportional “floor monitor” detector coupled with a Ludlum Model 2360 scaler/ratemeter. As discussed in the Work Plan (APTIM, 2019), the design survey scan speed was 0.25 centimeter per second. Scanning at a speed slow enough to meet the calculated scan speed of 0.25 centimeter per second is difficult and not practical to perform in the field. For this project, six-second static counts were performed to cover the necessary area (25 percent of accessible surfaces). This measurement achieved the same level of detection as slow scanning. In this report, these six-second static counts will be referred to as “scans” or “scan measurements” for consistency.

Preference for scanning was given to potential contamination concentration areas such as ship berthing locations, concrete joints and cracks, and drainage locations. This survey area also included accessible edges of penetrations through the finger piers (including manholes, grates, etc.). Locations that exceeded the gamma scan IL were included in these scans.

Since six-second static counts were performed instead of scans, the static MDC equation was used to calculate instrument MDCs for this survey. The static MDC is the level of radioactivity practically achievable by the overall measurement process. The following equation is used to calculate instrument MDC in units of dpm/100 cm<sup>2</sup> when the background and sample were counted using the different time intervals:

$$MDC = \frac{\left( \frac{z_{1-\alpha} + z_{1-\beta}}{4} \right) \left( 1 + \frac{t_S}{t_B} \right) + (z_{1-\alpha} + z_{1-\beta}) \sqrt{N_B \frac{t_S}{t_B} \left( 1 + \frac{t_S}{t_B} \right)}}{\epsilon_i \epsilon_s t_S \frac{W_A}{100}}$$

Where:

- $z_{1-\alpha}$  = quantile of the standard normal distribution for  $\alpha$  (1.645 for  $\alpha=0.05$ )
- $z_{1-\beta}$  = quantile of the standard normal distribution for  $\beta$  (1.645 for  $\beta=0.05$ )
- $t_S$  = sample counting time (0.1 minutes for scans)
- $t_B$  = background counting time (40 minutes)
- $N_B$  = number of background counts during background counting time
- $\epsilon_i$  = instrument efficiency (counts per particle)
- $\epsilon_s$  = surface efficiency (particles per disintegration, 0.25 for  $\alpha$ , 0.5 for  $\beta$ )
- $W_A$  = active area of the detector window (cm<sup>2</sup>; 584 cm<sup>2</sup> for the “floor monitor” detector)

In this equation,  $W_A$  is the size of the “active” area of the detector window. If the area of the detector window does not equal  $100 \text{ cm}^2$ , it is necessary to convert the detector response to units of  $\text{dpm}/100 \text{ cm}^2$ . Values for  $N_B$  are detector-specific and surface material-specific, and values were calculated for concrete and metal surfaces at the finger piers. Values for  $\epsilon_i$  are instrument-specific, and seven different “floor monitor” detectors were used during the scoping surveys of the finger piers.

MDCs during scan surveys for these detectors ranged from 173 to  $198 \text{ dpm}/100 \text{ cm}^2$  for alpha activity on concrete, and from 283 to  $321 \text{ dpm}/100 \text{ cm}^2$  for beta activity on concrete.

The scan MDC for alpha activity measured in the field exceeded the planned scan MDC for alpha by more than a factor of two and exceeded the release criterion of  $100 \text{ dpm}/100 \text{ cm}^2$  for alpha activity by a factor of two. The alpha background on concrete ranged from 15.4 cpm to 34.5 cpm compared with the estimated background of 3.3 cpm used for planning. This difference in alpha background levels was the main contributor to the increased MDCs.

The scan MDC for beta activity measured in the field was lower than the planned scan MDC, as conservative assumptions were used for the calculations during the planning of the surveys, and a more realistic surface efficiency was used when interpreting the results. The beta background on concrete ranged from 760.8 cpm to 1087.5 cpm compared with the estimated background of 601 cpm used during planning. The total efficiency determined for the field instruments ranged from 0.190 to 0.207 compared with the planned value of 0.08. The higher total efficiency used for beta scan measurements offset the higher beta background measured in the field.

The “floor monitor” detectors used to perform scan measurements of the finger piers were capable of detecting beta radiation at levels less than the release criteria. However, these detectors could not detect alpha radiation at levels below the release criteria. Table 4 provides calculated MDCs for each detector used for alpha and beta scan surveys.

### **3.4.5 Alpha/Beta Static Measurements**

The two-minute alpha/beta static measurements were performed using the Ludlum Model 43-37 gas flow proportional “floor monitor” detector coupled with a Ludlum Model 2360 scaler/ratemeter. At least 54 static measurements were collected at systematic locations within each SU. The random-start triangular grid systematic locations were

selected through the use of a map and a random starting point. Figures 3, 4, and 5 display the systematic locations for alpha and beta static measurements in SUs 4, 5, and 6, respectively.

In addition, follow-up biased alpha/beta static measurements were performed at the highest alpha/beta scan locations in each SU to investigate the locations with the highest potential for elevated radioactivity. A minimum of 20 biased alpha and beta measurement locations were identified in each SU. Figures 24, 25, and 26 show the biased alpha and beta static measurement locations in SUs 4, 5, and 6, respectively.

MDCs were calculated for each detector using the same equation and parameters listed in Section 3.4.4, except with sample count times increased from six seconds to two minutes. Other parameters remained unchanged. MDCs for static measurements for these detectors ranged from 27 to 35 dpm/100 cm<sup>2</sup> for alpha activity on concrete, and from 60 to 69 dpm/100 cm<sup>2</sup> for beta activity on concrete. The MDC for static measurements for the detector used on metal surfaces was 16 dpm/100 cm<sup>2</sup> for alpha activity on concrete, and 45 dpm/100 cm<sup>2</sup> for beta activity. The MDCs for the “floor monitor” detector listed in the Work Plan (APTIM, 2019) were 21.5 dpm/100 cm<sup>2</sup> for alpha activity and 184 dpm/100 cm<sup>2</sup> for beta activity.

The alpha static MDC values were less than the IL of 50 percent of the release criterion of 100 dpm/100 cm<sup>2</sup>. The increased site background compared to the previously expected background had the largest impact on the increased alpha static MDC similar to the increase in the alpha scan MDC.

The beta static MDC values were less than the IL of 50 percent of the release criterion of 1,000 dpm/100 cm<sup>2</sup>. The increased total efficiency had the largest impact on the decreased beta static MDC similar to the beta scan MDC.

The “floor monitor” detectors used to perform static measurements in the finger piers were capable of detecting radioactivity at levels less than the release criteria.

Table 4 provides calculated MDCs for each detector used for static measurements in the finger piers.

### **3.4.6 Alpha/Beta Smear Measurements**

Smears were collected at each total alpha and total beta static measurement location. Smears were counted with a Ludlum Model 2929 sample counter.

The following equation is used to calculate smear MDC values in units of dpm/100 cm<sup>2</sup> when the background and sample were counted using different time intervals:

$$MDC = \frac{\frac{(z_{1-\alpha} + z_{1-\beta})}{4} \left(1 + \frac{t_S}{t_B}\right) + (z_{1-\alpha} + z_{1-\beta}) \sqrt{N_B \frac{t_S}{t_B} \left(1 + \frac{t_S}{t_B}\right)}}{\epsilon_t t_S \frac{W_A}{100}}$$

Where:

- $z_{1-\alpha}$  = quantile of the standard normal distribution for  $\alpha$  (1.645 for  $\alpha=0.05$ )
- $z_{1-\beta}$  = quantile of the standard normal distribution for  $\beta$  (1.645 for  $\beta=0.05$ )
- $t_S$  = sample counting time (1 minute)
- $t_B$  = background counting time (10 minutes)
- $N_B$  = number of background counts during background counting time
- $\epsilon_t$  = total efficiency (counts per particle)
- $W_A$  = area covered by smear (cm<sup>2</sup>)

In this equation,  $W_A$  is the area covered by the smear. If the area of the smear does not equal 100 cm<sup>2</sup>, it is necessary to convert the detector response to units of dpm/100 cm<sup>2</sup>. Values for  $N_B$  are detector-specific and smear material-specific. Values for  $\epsilon_t$  are instrument-specific and radiation-specific and are obtained from the instrument calibration sheet.

MDCs for this instrument were 12 dpm/100 cm<sup>2</sup> for alpha activity and 70 dpm/100 cm<sup>2</sup> for beta activity for smear measurements. Table 4 provides calculated MDCs for the smear counter.

The release criteria for removable radioactivity listed in Table 1 are 20 dpm/100 cm<sup>2</sup> for alpha and 200 dpm/100 cm<sup>2</sup> for beta. The alpha smear MDC is 60 percent of the release criterion, and the beta smear MDC is 35 percent of the release criterion. The Ludlum Model 2929 sample counter was capable of detecting removable radioactivity at levels less than the release criteria.

### 3.4.7 Solid Sample Collection and Laboratory Analysis

Concrete samples were collected to provide supplemental information to support the characterization of locations with identified elevated alpha activity based on the results from the alpha static measurements. Samples were analyzed for <sup>137</sup>Cs and <sup>226</sup>Ra by gamma spectroscopy analysis and <sup>239</sup>Pu by alpha spectroscopy in accordance with the sampling and analysis plan (SAP; Work Plan Appendix A [APTIM, 2019]) to identify the

source of the elevated alpha activity and determine the extent of the area of elevated activity. The samples were also analyzed for total strontium.

## 4.0 Survey Instrumentation

Commercially available radiation detection and measurement instrumentation were selected based on reliable operation, detection sensitivity, operating characteristics, and expected performance in the field. Radiological survey instruments suitable for the physical and environmental conditions at the site were selected. Table 3 provides details about the selected instruments. The instruments and measurement methods selected were suitable for detection of project ROCs ( $^{137}\text{Cs}$ ,  $^{239}\text{Pu}$ ,  $^{226}\text{Ra}$ , and  $^{90}\text{Sr}$ ) with sensitivity (i.e., detection limits) that were below applicable survey criteria based on initial site assumptions, except as noted in Section 3.4.4. The PRSO verified the instrument capabilities.

### 4.1 Instrument Calibration

At a minimum, calibrations of radiation detection instruments were performed annually and after major repairs. Calibration was performed by a qualified vendor with National Institute of Standards and Technology (NIST) traceable sources.

### 4.2 Instrument Operational Checks

APTIM operational procedures included in the Radiation Protection Plan, Radiological Work Tasks, Remedial Action and Maintenance of Remedies at Hunters Point Naval Shipyard, San Francisco, California (APTIM, 2017a) or equivalent subcontractor procedures, reviewed and approved by APTIM, were used for field instruments to verify the equipment was operating properly and used correctly in the field to produce accurate and reliable data. Field instrument checks verified instrument response and were performed at the beginning and end of each day of use. If the field instrument checks revealed the instrument was outside established response tolerances, the instrument was marked “out of service.” If necessary, the instrument was returned to the manufacturer for immediate repair and servicing. The APTIM PRSO evaluated surveys performed with an instrument that failed post-use operational (background and/or source response) checks and the data were re-collected with an equivalent instrument.

At a minimum, calibration records contain the following information:

- Instrument name and identification number (e.g., model and serial number)
- Manufacturer
- Date of calibration

- Calibration due date
- Name of company and person performing the calibration
- Calibration points
- Results of the calibration
- Calibration source documentation (e.g., serial number, certification, radionuclides)

### **4.3 Instruments for the Measurement of Gamma Surface Activity**

Gamma surface scans were performed using the RS-700 as a towed array. A 3-inch by 3-inch NaI detector was used for areas that were not accessible to the RS-700.

#### **4.3.1 RS-700 Large Area Sodium Iodide**

The RS-700 consists of an RSI RS-701 integrated controller and data acquisition system, a digital gamma ray spectrometer/multi-channel analyzer, a data controller, two RSX-1 4-liter (256 cubic inch) NaI gamma scintillation detectors, an internal global positioning system (GPS), and an external high-resolution Trimble Pro XH GPS receiver. The system is operated using the RS-700 RSI “RadAssist” software, which displays real-time data collection, both as a NaI spectrum and as count rates. Radiation and location information are collected by the system at a very high data transfer rate (nominally one data point per second) and stored in an uncorruptible data file for real-time feedback and data validation/post-processing. The system operator receives real-time feedback using waterfall plots of total response and geo-referenced mapping of relative radiation concentrations.

#### **4.3.2 3-Inch by 3-Inch Sodium Iodide**

The handheld gamma scan equipment consists of a Ludlum Model 44-20 3-inch by 3-inch NaI gamma scintillation detector coupled with a Ludlum Model 2221 ratemeter/scaler. Position correlation of the gamma scan results is provided by a high-resolution GPS receiver. Static measurements were collected using a Ludlum Model 44-20 3-inch by 3-inch NaI gamma scintillation detector coupled with a Ludlum Model 2221 ratemeter/scaler handheld instrument.

## 4.4 Instruments for the Measurement of Alpha/Beta Surface Activity

Measurements of total alpha and total beta radiation were performed over 25 percent of accessible surface area as part of this survey. Total alpha and total beta radiation were measured using scans and static measurements using a Ludlum Model 43-37 gas proportional detector connected to a Ludlum Model 2360 ratemeter/scaler.

### 4.4.1 Instrument Efficiency

The instrument efficiency ( $\epsilon_i$ ) is defined as the ratio between the net count rate (cpm) of the instrument and the surface emission rate of the calibration source for a specified geometry. The surface emission rate is the  $2\pi$  particle fluence affected by both the attenuation and backscatter of the radiation emitted from the calibration source.

The following equation was used to calculate the instrument efficiency in counts per particle, although efficiency is typically reported unitless.

$$\epsilon_i = \frac{R_{S+B} - R_S}{q_{2x} \left( \frac{W_A}{S_A} \right)}$$

Where:

- $\epsilon_i$  = instrument efficiency (count per particle)
- $R_{S+B}$  = the gross count rate of the calibration measurement (cpm)
- $R_S$  = the background count rate (cpm)
- $q_{2x}$  = surface emission rate of the calibration source (NIST-traceable) (particles per minute)
- $W_A$  = active area of the detector window (cm<sup>2</sup>)
- $S_A$  = area of the source (cm<sup>2</sup>)

The instrument efficiency was determined by obtaining static counts with the detector over a calibration source that has an NIST-traceable surface emission rate. The  $2\pi$  particle fluence rate was corrected for decay, attenuation, and scatter. Then the surface emission rate of the source was corrected for the area subtended by the probe. For example, the beta efficiency based on a NIST-traceable <sup>90</sup>Sr plate source for Ludlum Model 2360 (serial No. 245779) equipped with a Ludlum Model 43-37 probe (serial No. PR190618) is provided as follows:

$$\epsilon_i = \frac{(96,473 \text{ cpm}) - (648 \text{ cpm})}{(231,840 \text{ particles per minute})} = 0.413 \text{ counts per particle}$$



Factors that can also affect the instrument's efficiency are discussed as follows:

- **Efficiency Check Sources**—Efficiency check sources that emit alpha or beta radiation with energies similar to those expected from the contaminant were used in the field (thorium-230 and  $^{90}\text{Sr}$ ).
- **Source Geometry Factors**—Instrument efficiency was determined with an efficiency check source with an area smaller than the Ludlum Model 43-37 probe, so the source was placed at three different positions to cover the entire surface of the probe. A conversion factor was applied to account for the active region of the probe relative to the area of the check source.
- **Source-to-Detector Distance**—The detector efficiency was calculated at a source-to detector distance the same as the detector-to-surface distance used in the field. The probe was placed directly on the surface for scan and static measurements, so one efficiency was developed for both types of measurements.

#### 4.4.2 Surface Efficiency ( $\epsilon_s$ ) for Surface Activity Measurements

The surface efficiency is defined as the ratio between the  $2\pi$  surface emission rate of a source and the number of particles created or released within the source or the saturation layer thickness per unit time. International Organization for Standardization (ISO) (2016) Publication No. ISO-7503-1 and U.S. Nuclear Regulatory Commission (NRC) (1998) Publication No. NUREG-1507 provides conservative recommendations for surface efficiencies. ISO-7503-1 recommends a surface efficiency of 0.5 for maximum beta energies exceeding 0.4 megaelectron volts (MeV) and 0.25 for beta energies between 0.15 and 0.4 MeV and for alpha emitters. NUREG-1507 provides surface efficiencies based on studies performed for the NRC. In general, NUREG-1507 indicates that the ISO rule-of-thumb for surface efficiencies is conservative, particularly for beta-emitting radionuclides with endpoint energies between 0.25 and 0.4 MeV.  $^{137}\text{Cs}$  has a beta endpoint energy of 0.514 MeV,  $^{90}\text{Sr}$  has a beta endpoint energy of 0.546 MeV, and yttrium-90 has a beta endpoint energy of 2.28 MeV. Therefore, a surface efficiency of 0.5 was used for maximum beta energies exceeding 0.4 MeV and a surface efficiency of 0.25 was used for alpha emitters.

#### 4.4.3 Calculation of Surface Activity

Calculations of surface activity (A) in units of dpm/100 cm<sup>2</sup>, were performed according to the following equation provided in ISO-7503-1 (ISO, 2016):

$$A = \frac{R - B}{(\epsilon_i)(\epsilon_s)(W)}$$

Where:

- R = detector count rate (cpm)
- B = background efficiency (unitless)
- $\epsilon_s$  = surface or source efficiency (unitless)
- W = physical probe area (cm<sup>2</sup>)

Detector blank count rates were calculated using background reference area data. Table 3 provides the equipment used to perform surface activity measurements.

#### 4.5 Instrument for Measurement of Smear Samples

Removable alpha and beta radiation were measured using smears counted using a Ludlum Model 2929 sample counter. Table 3 describes the sample counter uses a dual phosphor detector for the radiation detector.

Calculations of removable surface activity using smears was calculated using the following equation:

$$A = \frac{R - B}{\epsilon_T(W)}$$

Where R, B, and W are the same variables used for calculating surface activity, and  $\epsilon_T$  is the total efficiency determined for the smear counter using a NIST-traceable standard.

Count times for smears were set at 1 minute for surface smear measurements and 10 minutes for background measurements. Table 4 provides actual instrument parameters determined in the field.

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## **5.0 Radiological Scoping Survey Field Activities and Results**

The following subsections present the radiological scoping survey field activities and results.

### **5.1 Pre-Fieldwork Activities**

The following subsections discuss pre-fieldwork activities.

#### **5.1.1 Permitting and Notification**

APTIM obtained the necessary authorizations from the HPNS Caretaker Site Office (CSO) and the Resident Officer in Charge of Construction (ROICC) for performing the work at the Parcel F structures. Prior to initiation of field activities for the finger piers, APTIM notified the Navy Remedial Project Manager (RPM), ROICC, CSO, appropriate fire department personnel, and HPNS security as to the nature of the anticipated work.

Notifications were made by APTIM to the California Department of Public Health and the NRC at least 14 days prior to initiation of activities involving the radiological materials licenses.

#### **5.1.2 Meetings**

Prior to mobilization, a pre-construction and mutual understanding meeting was held on July 24, 2018. The meeting attendees included the Navy RPM, the ROICC, the CSO representative, and APTIM personnel. The purpose of the meeting was to develop a mutual understanding of the field activities and the contractor quality control (QC) details, including forms to be used, administration of on-site work, and coordination of the construction management and production.

Contractor QC meetings were held on a weekly basis throughout the course of fieldwork. Per *Unified Facilities Guide Specifications*, Section 01 45 00.00 20, "Quality Control," (Naval Facilities Engineering Command, 2017) at a minimum, the Project QC Manager conducted and attended these meetings with the project team, including subcontractor and vendor representatives, as appropriate. The Navy team, including the RPM, ROICC, and CSO attended, as appropriate.

Daily tailgate safety meetings were held each day on site before starting work. The Site Safety and Health Officer held the meetings, or his or her qualified designee, and covered various safety issues. Field staff, including subcontractors, attended these meetings and signed a tailgate safety meeting form. Any subcontractor, inspector, agency, or Navy personnel that visited the site during the course of the day was required to review and sign the tailgate form prior to entering the work site.

## **5.2 Mobilization and Site Preparation**

Mobilization occurred on August 12, 2019, and included site preparation, movement of equipment and materials to the site, and orientation and training of field personnel. Site-specific training included radiological safety awareness. At least two weeks prior to mobilization, the appropriate Navy personnel, including the Navy RPM, ROICC, and CSO, were notified regarding the planned schedule for mobilization and site scoping activities. APTIM personnel and subcontractors acquired badges by the San Francisco Redevelopment Agency during mobilization.

Upon receipt of the appropriate records and authorizations, field personnel, temporary facilities, and required construction materials were mobilized to the jobsite. The temporary facilities included restroom(s), hand washing station(s), security fencing, and one secure storage (conex) box for short- and long-term storage of materials.

### **5.2.1 Field Observations and Photographic Documentation**

Field observations were recorded in the project logbooks and daily reports. Photographs of the site were collected during field operations, developed, and kept in the electronic project file. The photographs were sorted by date, with descriptions of the location and activities shown in each photograph, and are provided in the "Photograph Log" (Appendix C).

### **5.2.2 Material Handling and Storage Areas**

Radioactive waste was minimized by compliance with contamination control work practices combined with survey practices. Radiological areas and postings are further described in the *Radiation Protection Plan, Radiological Work Tasks, Remedial Action and Maintenance of Remedies at Hunters Point Naval Shipyard, San Francisco, California* (APTIM; 2017a). No radiologically controlled area was required for this work effort.

### **5.2.3 Site Preparation of Survey Areas**

The finger piers were partially covered with a small layer of dust and debris. The horizontal surfaces of the finger piers were swept to obtain a debris-free smooth surface to facilitate alpha/beta surveys. Larger debris was moved as required to access survey areas. Appropriate personal protective equipment and engineering controls were used to perform the work safely as described in the *Accident Prevention Plan, Radiological Work Tasks, Remedial Action and Maintenance of Remedies at Hunters Point Naval Shipyard, San Francisco, California* (APTIM, 2017b) and included fall protection and personal flotation devices.

## **5.3 Data Collection Activities and Results**

Radiological scoping survey activities took place from August 12 through November 22, 2019. Additional alpha/beta surveys were also performed on March 10 through 11, 2020.

Gamma scans were conducted of 100 percent of horizontal accessible surfaces using the instrumentation described in Section 3.4.1. Alpha/beta scans were conducted over at least 25 percent of surfaces in each SU using the instrumentation described in Section 3.4.4. Systematic alpha/beta static measurements and smears were collected at pre-determined systematic locations throughout each SU. Biased measurements were collected at the highest scan locations.

### **5.3.1 Reference Background Areas**

A concrete pad in Parcel C was used as the RBA for alpha/beta measurements. This RBA was selected because the concrete was most similar in nature to the concrete on the finger piers, and it was non-impacted because it was constructed after the radiological operations occurred, as described in Section 2.2. A small concrete pad adjacent to the submarine pens was used as the RBA for gamma measurements. This RBA was selected because the concrete was similar in nature to the concrete in the finger piers, and was discovered after alpha/beta data collection was completed. This small pad was non-impacted because it was separate from the submarine pens and could not have been used for ship repair or other radiological operations due to its small size. The same survey methods and equipment that were used for conducting a survey were used for the RBA data collection. Gamma static measurements collected from the RBA were used for comparison to the survey data, as needed Alpha/beta material-specific backgrounds were established for each instrument based on measurements

performed in the RBA. Table 5 provides a summary of the RBA data and calculation of survey ILs. Appendix D lists the RBA data and provides an evaluation of the data collected.

Two concrete samples were collected from concrete dust/debris generated during the scabbling of horizontal surfaces in SU 6 per FCR-004. One composite sample (F-B01-S001) was collected from the concrete dust/debris generated from scabbling from the top surface (depth of 0 – 1/8 inches), and one sample (F-B01-S002) was collected from debris generated from scabbling at depth (approximately 1/2 inch). Samples were analyzed for  $^{137}\text{Cs}$  and  $^{226}\text{Ra}$  by gamma spectroscopy analysis and  $^{239}\text{Pu}$  by alpha spectroscopy in accordance with the SAP (Work Plan Appendix A [APTIM, 2019]) to identify the source of the elevated alpha activity and determine the extent of the area of elevated activity. The samples were also analyzed for total strontium.

### **5.3.2 Gamma Survey**

Gamma scan surveys were performed to identify areas of elevated gamma radioactivity that could have resulted from residual radioactivity from radioluminescent devices or other sources of gamma radiation. Areas of elevated gamma scan activity were included in the areas covered by the alpha and beta scan surveys.

Gamma scan surveys were performed over 100 percent of the accessible areas for SUs 4, 5, and 6 using the RS-700 or a 3-inch by 3-inch NaI detector. The RS-700 survey was used for most of the finger pier surfaces, while a 3-inch by 3-inch NaI detector was used for areas inaccessible to the RS-700.

Accessible horizontal surfaces were scanned using the RS-700 with the detector suspended 10 cm (4 inches) over the surface being investigated at a scan speed of 1 meter per second or less. For areas inaccessible to the RS-700, a 3-inch by 3-inch NaI gamma scintillation detector was used to perform the scan survey. The 3-inch by 3-inch NaI detector was suspended no greater than 15 cm (6 inches) over the surface being investigated, moving at a speed of 0.5 meter per second or less. The gamma count rates and the GPS positions were recorded.

The following subsections describe the gamma survey results for each SU.

#### **5.3.2.1 Gamma Scan Survey Results**

Gamma scans were performed over 100 percent of the accessible surfaces of each SU. Appendix F presents gamma scan survey data.

Scan data were processed as follows:

- The mean and standard deviation of the gamma scan data from each gamma detector used in a given SU was calculated.
- The location of the highest gamma count rate per SU was determined.
- The difference between each data point and the average of the data points was calculated and divided by the standard deviation of the SU measurement set. This converted the measurements to multiples of the standard deviation above or below the average count rate of the SU (z-scores). The z-scores were plotted as color-coded filled contours for visual review and evaluation, where the color-coding was based on multiples of SU standard deviation.
- Areas exhibiting a z-score greater than three were further investigated. The color-coded geospatial plot was visually inspected to identify anomalies in the distribution of measurement data.

#### *5.3.2.1.1 Survey Unit 4*

SU 4 consisted of horizontal surfaces of Finger Pier 1, which included Ship Berths 23 through 28. SU 4 also contained manholes and grates (Figure 6). After the gamma scan data were collected and processed, a total of 16 locations exceeded the gamma scan IL. Figures 7 and 8 present the gamma scan results for concrete surfaces and manholes/grates, respectively.

#### *5.3.2.1.2 Survey Unit 5*

SU 5 consisted of horizontal surfaces of Finger Pier 2, which included Ship Berths 30 through 35. SU 5 also contained manholes and grates (Figure 9). After the gamma scan data were collected and processed, a total of 37 locations exceeded the gamma scan IL. Figures 10 and 11 present the gamma scan results for concrete surfaces and manholes/grates, respectively.

#### *5.3.2.1.3 Survey Unit 6*

SU 6 consisted of horizontal surfaces of Finger Pier 3, which included Ship Berths 37 through 42. SU 3 also contained manholes and grates (Figure 12). After the gamma scan data were collected and processed, a total of 39 locations exceeded the gamma scan IL. Figures 13 and 14 present gamma scan results for concrete surfaces and manholes/grates, respectively.



### **5.3.2.2      *Gamma Biased Static Measurement Results***

One-minute gamma static measurements were collected at gamma scan locations that exceeded the gamma scan IL, as described in Section 3.2.1. Static measurements were evaluated in comparison to the gamma static IL, as described in Section 3.2.2. Table 6 summarizes gamma biased static measurement results. Appendix F presents gamma biased static survey data.

#### **5.3.2.2.1      *Survey Unit 4***

Gamma static measurements were performed at the 16 locations that exceeded the gamma scan IL. None of these static measurements exceeded the gamma static IL. Figure 15 presents the gamma static results. Table 6 provides gamma static measurement statistics.

#### **5.3.2.2.2      *Survey Unit 5***

Gamma static measurements were performed at the 37 locations that exceeded the gamma scan IL. None of these static measurements exceeded the gamma static IL. Figure 16 presents the gamma static results. Table 6 provides gamma static measurement statistics.

#### **5.3.2.2.3      *Survey Unit 6***

Gamma static measurements were performed at the 39 locations that exceeded the gamma scan IL. None of these static measurements exceeded the gamma static IL. Figure 17 presents the gamma static results. Table 6 provides gamma static measurement statistics.

### **5.3.3      *Alpha/Beta Surveys***

Alpha and beta surveys included scans, static measurements, and smear measurements consistent with MARSSIM guidance (EPA et al., 2000) for Class 2 surveys. The following subsections provide alpha/beta survey activities and results. Appendix G presents alpha/beta survey data.

### **5.3.3.1      *Alpha/Beta Scan Surveys***

Alpha and beta scans were performed over at least 25 percent of the area of each SU. Figure 2 shows the boundary for the SUs. Alpha/beta scans included locations where the gamma scan results exceeded the corresponding gamma scan IL.

Manholes and grates were investigated during the survey of the finger piers. Each manhole was opened (if possible) and alpha/beta measurements were collected to the extent practicable. Standing water was observed in the manholes at low tide, but this did not limit accessible surfaces. Alpha/beta scanning was performed (as practicable) in each accessible manhole. Confined space entry and heavy lifts were not conducted; personnel did not enter manholes or other confined spaces.

As discussed in Section 3.2.3, the IL for alpha/beta scan measurements was the most conservative release criteria provided in Table 1 for alpha and beta-emitting radionuclides. If an alpha or beta scan measurement exceeded the corresponding IL, the Work Plan (APTIM, 2019) stated static measurements would be collected as part of investigations. A total of 3,864 locations on concrete surfaces, manholes, and grates exceeded the alpha scan IL. To confirm these results, static measurements were collected from the 20 highest scan measurement locations in each SU. This investigation approach was selected because the scan MDC for alpha radiation exceeded the release criterion resulting in a large number of scan results that exceeded the IL in each SU. Section 7.3 recommends further investigation of the finger piers.

The following subsections and Table 7 summarize the alpha/beta scan survey results.

#### **5.3.3.1.1      *Survey Unit 4***

The approximate size of SU 4 was 7,166 m<sup>2</sup>. A total of 32,721 alpha/beta scan measurements were performed over the accessible horizontal surfaces of SU 4. Each scan measurement represents 0.0584 m<sup>2</sup> (detector active area of 584 cm<sup>2</sup>) so the 32,721 measurements represent 27 percent of the SU. A total of 2,229 measurements (7 percent) exceeded the alpha release criterion of 100 dpm/100 cm<sup>2</sup>. A total of 127 measurements (0.4 percent) exceeded both the alpha release criterion and the instrument MDC listed in Table 4. No measurements exceeded the beta release criterion of 1,000 dpm/100 cm<sup>2</sup>.

Figures 18 and 19 present the SU 4 alpha and beta scan measurements, respectively.

#### **5.3.3.1.2 Survey Unit 5**

The approximate size of SU 5 was 7,996 m<sup>2</sup>. A total of 37,949 alpha/beta scan measurements were performed over the accessible horizontal surfaces of SU 5 representing 28 percent of the SU. A total of 1,286 measurements (3 percent) exceeded the alpha release criterion of 100 dpm/100 cm<sup>2</sup>. A total of 72 measurements (0.2 percent) exceeded both the alpha release criterion and the instrument MDC listed in Table 4. No measurements exceeded the beta release criterion of 1,000 dpm/100 cm<sup>2</sup>.

Figures 20 and 21 present the SU 5 alpha and beta scan measurements, respectively.

#### **5.3.3.1.3 Survey Unit 6**

The approximate size of SU 6 was 3,161 m<sup>2</sup>. A total of 16,793 alpha/beta scan measurements were performed over the accessible horizontal surfaces of SU 6 representing 31 percent of the SU. A total of 349 measurements (2 percent) exceeded the alpha release criterion of 100 dpm/100 cm<sup>2</sup>. A total of 15 measurements (0.09 percent) exceeded both the alpha release criterion and the instrument MDC listed in Table 4. No measurements exceeded the beta release criterion of 1,000 dpm/100 cm<sup>2</sup>.

Figures 22 and 23 present the SU 6 alpha and beta scan measurements, respectively.

### **5.3.3.2 Alpha/Beta Systematic Static Measurements**

Alpha/beta static measurements consisted of two-minute measurements with the “floor monitor” detector, as described in Section 3.4.5. At the completion of each measurement, the alpha and beta results were recorded and compared to the release criteria presented in Table 1.

Two-minute static measurements were collected at a minimum of 54 systematic locations per SU, and at biased locations as part of investigations of scanning results exceeding the IL, as needed. A minimum of one static measurement was collected from each accessible manhole.

At least 54 two-minute alpha/beta systematic static measurements were collected per SU. Fifty-four systematic static alpha and beta measurements were each collected from SUs 4 and 5, and 61 systematic static measurements were collected from SU 6. None of the measurements exceeded the alpha or beta release criteria. Table 8 summarizes these results.

### **5.3.3.3      *Alpha/Beta Biased Static Measurements***

Biased alpha/beta static measurements were collected in SUs 4, 5, and 6 at locations that exceeded the alpha/beta scan ILs as described in Section 3.2.3. Based on professional judgment, one biased alpha/beta static measurement was also collected in each accessible manhole and grate (as applicable) in each SU as a location where residual radioactivity was most likely to be found. The following subsections discuss the results.

#### **5.3.3.3.1      *Survey Unit 4***

Two-minute biased static measurements were collected at the 20 highest alpha scan measurement locations in SU 4 (Figure 24). A total of 20 two-minute biased static measurements were collected in SU 4 on manhole/grate surfaces. None of the biased static measurements exceeded either the alpha or beta release criteria. Table 9 summarizes these results.

#### **5.3.3.3.2      *Survey Unit 5***

Two-minute biased static measurements were collected at the 20 highest alpha scan measurement locations in SU 5 (Figure 25). A total of 18 two-minute biased static measurements were collected in SU 5 on manhole/grate surfaces. None of the biased static measurements exceeded either the alpha or beta release criteria. Table 9 summarizes these results.

#### **5.3.3.3.3      *Survey Unit 6***

Two-minute biased static measurements were collected at the 20 highest alpha scan measurement locations in SU 6 (Figure 26). A total of 13 two-minute biased static measurements were collected in SU 6 on manhole/grate surfaces. None of the biased static measurements exceeded either the alpha or beta release criterion. Table 9 summarizes these results.

### **5.3.3.4      *Alpha/Beta Smear Measurements***

Smears were collected over a 100 cm<sup>2</sup> area at each location in SUs 4, 5, and 6 where a total alpha and total beta static measurement was performed (systematic and biased static locations). Smears were not collected from grates. Smears were quantitatively counted with a Ludlum Model 2929 or Ludlum Model 3030 sample counter.

None of the removable alpha/beta measurements in SUs 4, 5, and 6 exceeded the release criteria. Tables 10 and 11 summarize the results for smears collected at systematic and biased locations, respectively.

### 5.3.4 Solid Sample Collection and Laboratory Analysis

Three concrete chip samples were collected to support the characterization of locations that were initially identified as exhibiting elevated alpha activity, based on the elevated results from the alpha/beta static survey. Final data evaluation of the results confirmed the three locations did not exceed the alpha static release criterion; however, the samples were analyzed by the laboratory and are included in this report. Figure 27 shows concrete sample locations for SUs 4, 5, and 6.

Concrete samples were collected by outfitting the RCT in the proper personal protective equipment (e.g., safety goggles), surrounding the area to be sampled with plastic to prevent scattering of concrete chips, and using an electric hammer-drill on the surface to generate sufficient concrete chips to provide a sample for analysis. The sample areas were approximately four inches in diameter and extended to a depth of 1 to 2 inches to provide a minimum of 250 grams of concrete for analysis.

In addition to the three biased samples, two concrete samples were collected from concrete dust/debris generated during the scabbling/grinding of horizontal surfaces in SU 6 per FCR-004. A walk-behind concrete grinder with HEPA-filtration was utilized to grind the surfaces. Dust/debris was collected in a vacuum. One composite sample (F-B01-S001) was collected from the concrete dust/debris inside the vacuum generated from scabbling from the top surface (depth of 0-1/8 inch), and one composite sample (F-B01-S002) was collected from debris generated from scabbling at depth (approximately 1/8 to 1/2 inch).

The samples were analyzed for  $^{137}\text{Cs}$  and  $^{226}\text{Ra}$  by gamma spectroscopy analysis, for  $^{90}\text{Sr}$  by total strontium analysis, and  $^{239}\text{Pu}$  by alpha spectroscopy in accordance with the SAP (Work Plan Appendix A [APTIM, 2019]). Gamma spectroscopy data were reported by the off-site laboratory following the 21-day ingrowth period. Table 12 provides concrete sample results, and Appendices I and J provide the data validation and analytical laboratory data reports, respectively.

Figure 27 shows the locations where concrete samples were collected in SUs 4, 5, and 6. All five concrete sample results reported  $^{226}\text{Ra}$  concentrations above the detection limit and the project quantitation limit goal of 0.2 pCi/g listed in

Worksheet #15.1 in the SAP (Work Plan Appendix A [APTIM, 2019]). Detected  $^{226}\text{Ra}$  concentrations ranged from 0.31 to 0.903 pCi/g. Concrete is made up of aggregates, many of which contain naturally occurring  $^{226}\text{Ra}$ . Naturally occurring  $^{226}\text{Ra}$  has been reported in limestone (0.42 pCi/g), sandstone (0.71 pCi/g), and shale (1.1 pCi/g), and the mean concentration for  $^{226}\text{Ra}$  in typical igneous rock is 1.3 pCi/g (California Environmental Protection Agency, 2006). Based on the natural concentrations in various rocks and stone, the  $^{226}\text{Ra}$  concentrations detected in the project samples are consistent with natural background and not related to Navy historical activities.

One concrete sample identified  $^{239/240}\text{Pu}$  at a concentration above the detection limit, but all five results were below the project quantitation limit goal of 0.1 pCi/g. No other sources of alpha activity were identified by the concrete sample analyses.

## 5.4 Waste Management

A waste management plan was prepared to allow for proper storage, characterization, and disposal of liquid and solid waste generated during the field activities. Investigation-derived waste was managed in accordance with the waste management plan (Appendix C of the Work Plan [APTIM, 2019]). Investigation-derived waste generated during survey activities that did not meet the project free-release criteria was compiled as low-level radioactive waste and included personal protective equipment. Investigation-derived waste was loaded into a roll-off container as low-level radioactive waste and characterized by the Navy's waste broker prior to being transported to an off-site disposal facility for final disposition.

## 5.5 Demobilization

Demobilization from the project site occurred on November 22, 2019, and consisted of surveying and removing the equipment and materials, cleaning the project site, and removing personnel from the site.

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## 6.0 Data Quality Review

The scoping survey results were reviewed and evaluated to determine if the data quality achieved in the field met the survey objectives and DQOs described in the SAP (Work Plan Appendix A [APTIM, 2019]) and determine data usability.

### 6.1 Data Quality Indicators

Precision measures the reproducibility of measurements under a given set of conditions. Accuracy measures the bias of an analytical system by comparing the difference of a measurement with a reference value. Precision and accuracy of field instruments was determined by performing daily checks to monitor instrument performance. Appendix E provides the results of the daily field instrument QC checks. When the warning limits were exceeded for an instrument check but were below the control limits, the check was recorded as “QUESTION.” Any time an instrument check was “QUESTION” a recount was performed. If the recount of the instrument check was “QUESTION” or “FAIL,” the instrument was removed from service.

Representativeness is the degree to which sample data accurately and precisely represent a characteristic of a population, parameter variations at a sampling point, or an environmental condition. It is a qualitative parameter that depends on proper survey design. Gamma scan surveys were representative because they covered 100 percent of the accessible surfaces. Alpha and beta scan surveys were representative because they covered at least 25 percent of the total area and included locations where gamma scan readings exceeded the IL. Alpha and beta static and smear locations were representative because they included systematic locations covering the entire surface, as well as biased locations to investigate locations where results exceeded an IL and judgment locations to investigate locations of interest (e.g., manholes, grates).

Completeness is a measure of whether the data necessary to meet the project have been collected. For the data to be considered complete, they must meet acceptance criteria including accuracy and precision and other criteria specified for an analytical method. The survey objectives for scanning 100 percent of accessible surfaces for gamma radiation and 25 percent of accessible surfaces for alpha and beta radiation were achieved. Alpha and beta static and smear measurements were performed at the required number of systematic measurement locations. Alpha and beta static and smear measurements were performed at the 20 locations with the highest alpha scan measurement results in each SU. Concrete samples were collected to complete the investigations of the finger piers, and concrete samples collected were analyzed and the



analytical results validated. Appendices I and J include data validation reports and analytical laboratory data packages, respectively.

Comparability is a qualitative parameter expressing the confidence with which one data set can be compared with another, whether it was generated by a single laboratory or during inter-laboratory studies. Comparability is not compromised provided the survey design is unbiased and the survey design or analytical methods are not changed over time. The use of standardized field and analytical procedures ensures comparability of analytical data.

## **6.2 Gamma Scan Survey Results Data Quality Review**

The objective of performing gamma scan surveys was to identify localized areas of elevated  $^{226}\text{Ra}$  activity and to identify and support removal of discrete sources (e.g., deck markers). The objective of identifying areas of localized elevated gamma radiation was achieved and no discrete sources of gamma radiation were discovered.

The review of the gamma scan data identified no significant differences between individual data sets. The gamma scan data sets appear similar and are comparable.

Gamma sensitivity was addressed during planning based on the probability of detecting discrete sources of gamma radiation (i.e., deck markers).

## **6.3 Gamma Static Measurement Results Data Quality Review**

The objective of the gamma static measurements was to investigate gamma scan results above the IL to determine if the gamma scan results were anomalous readings (false positives) or if the gamma scan readings identified areas with elevated gamma radiation. This objective was accomplished, and areas of elevated gamma radiation were identified for additional investigation using in situ gamma spectroscopy.

Gamma static data were collected using the same instrument used to perform a portion of the gamma scan surveys; therefore, the gamma static data are comparable with gamma static data collected in other SUs. Gamma static measurements were performed in contact with the surface being investigated, but are still considered comparable with the gamma scan survey measurements performed with the detector suspended 15 cm (6 inches) above the surface because gamma rays are not significantly attenuated by air.

Gamma static measurements were performed at biased locations to evaluate gamma scan results exceeding the IL, so gamma static measurements are representative of the location where the measurement was performed. Gamma static measurement results exceeding the IL may not be representative of radiological conditions across the entire SU.

The sensitivity of gamma static measurements was improved relative to gamma scan measurements by using one-minute static counts in place of the one-second counts used for scanning.

#### **6.4 Alpha/Beta Scan Measurement Results Data Quality Review**

The objective of performing alpha and beta scan surveys was to identify localized areas of elevated activity. Alpha scan sensitivity did not meet the survey objectives and did not agree with the scan MDC values developed during planning. Alpha scanning was capable of identifying areas of alpha activity potentially exceeding 200 dpm/100 cm<sup>2</sup> for additional investigation. Beta scanning was able to accomplish the objective of identifying areas potentially exceeding the release criterion of 1,000 dpm/100 cm<sup>2</sup>.

No differences were observed in the alpha or beta scan measurements for the different instruments used to perform the alpha and beta scan measurements in the finger piers. The alpha and beta scan measurements from each SU are comparable with alpha and beta scan measurements from other SUs since all alpha and beta scan measurements were performed on concrete using the same type of instruments.

Alpha scan sensitivity did not meet the survey objectives and did not agree with the scan MDC values developed during planning. The major contribution to the difference was the higher than expected RBA count rates encountered in the field. The distribution of alpha scan results also contributed to differences between the planned scan MDC and what was actually accomplished in the field. Scan MDC calculations assume a Poisson distribution. A Poisson distribution has the characteristic where the square root of the average value equals the standard deviation. The standard deviations measured for the alpha scan data were significantly higher than expected based on a Poisson distribution. The higher than expected variability in the alpha scan data resulted from a variety of factors, including environmental conditions. Variations in temperature, atmospheric pressure, humidity, and wind speed were contributing factors. The distributions of alpha scan data for SUs 4, 5, and 6 were consistent and resulted in bell-shaped curves with relatively few potential outliers but were not consistent with a normal distribution. An upper simultaneous limit for each alpha scan data set was calculated at

the 95 percent confidence level to identify statistical outliers. Using the upper simultaneous limits identified 18, 25, and 13 potential outliers in SUs 4, 5, and 6, respectively, as elevated results based on the observed distribution of data. Based on this observation, it was decided that performing biased alpha and beta static measurements at the locations with the 20 highest scan results would accomplish the survey objectives.

The alpha scan MDC calculations and upper simultaneous limit calculations identified upper bounds on the alpha scan data in the 200 to 300 dpm/100 cm<sup>2</sup> range. MARSSIM (EPA et al., 2000) Section 5.5.2.4 provides for increasing the number of measurements performed in a survey unit to account for MDC values that do not achieve the survey objectives. The number of measurements in each survey unit was increased by a factor of 3 during development of the work plan to allow for an alpha scan MDC as high as 300 dpm/100 cm<sup>2</sup>. A minimum of 54 alpha and beta static measurements were performed in each SU to account for the scan MDC not achieving the survey objective of measuring concentration below the specified release criteria and ILs. While the scan MDC for alpha scan surveys does not meet the project objectives, it still provides a technically defensible approach to surveys based on MARSSIM guidance.

The beta scan MDC was sensitive enough to meet the project objectives.

Appendix G provides analysis of the alpha and beta scan measurement data, including graphical representations of the data and identification of data distributions.

## **6.5 Alpha/Beta Static Measurement Results Data Quality Review**

There were multiple objectives for performing alpha and beta static measurements. Static measurements were performed at systematic locations distributed over 100 percent of accessible surfaces to determine the average activity in each SU. Static measurements were also performed at biased locations that exceeded the scan IL to determine if the scan measurements were anomalous or represented elevated activity.

A review of the alpha static measurements identified similar distributions for systematic and biased measurements performed in SUs 4, 5, and 6. Alpha static measurements on the finger piers were normally distributed except for systematic locations in SU 4 and manhole locations in SUs 4 and 6 where the alpha static data did not follow a known distribution. Concrete samples were collected at the location of biased static measurements with the highest alpha results. Because there are differences in data distributions caused by different background levels of inherent, natural radioactivity in

construction materials used in the finger piers, care should be taken when performing other comparisons using the alpha static data sets.

A review of the beta static measurements identified similar distributions for systematic and biased measurements performed in SUs 4, 5, and 6. Beta static measurements on the finger piers were normally distributed except for manhole locations in SUs 4 and 6 where the beta static data did not follow a known distribution. Because all beta static results are less than the release criterion, the beta static data sets are considered comparable for comparisons with the release criterion. However, because there are differences in data distributions caused by different background levels of inherent natural radioactivity in construction materials used in the finger piers, care should be taken when performing other comparisons using the beta static data sets.

Static MDC calculations (Section 3.4.5) show both alpha and beta static measurements meet the sensitivity requirements of the survey. Appendix G provides analysis of the alpha and beta static measurement data, including graphical representations of the data and identification of data distributions.

## **6.6 Alpha/Beta Smear Measurement Results Data Quality Review**

The purpose of smear measurements was to determine if there was removable alpha or beta activity at locations where static measurements were performed. Smear measurements were performed at every location where a systematic or biased static measurement was performed, and this objective was accomplished.

The alpha and beta smear data are below the release criteria and follow similar distributions, so the smear data are comparable.

Smear MDC calculations (Section 3.4.6) show both alpha and beta smear measurements meet the sensitivity requirements of the survey.

## **6.7 Solid Sample Laboratory Analysis Results Data Quality Review**

Concrete samples were collected at biased locations with the highest alpha static measurement results to provide supplemental information on the nature and extent of alpha activity. A laboratory data quality assessment was performed and included reviews of the sampling holding times and preservation, laboratory method blanks, gamma spectroscopy and alpha/beta calibration, tracer compound recoveries,

laboratory control samples, sample duplicate, sample identification, sample quantitation, reporting limits, and analytical and technical completeness. The data quality review determined the data are of good technical quality and meet project objectives. The data are usable and available for project decisions. Appendix H provides the data quality assessment summary for off-site analytical laboratory sample results.

## **7.0 Conclusions and Recommendations**

This section includes the evaluation of field activities, conclusions, and recommendations.

### **7.1 Evaluation of Field Activities**

A scoping survey of the finger piers at HPNS was performed and consisted of the following:

- Gamma scan surveys
- Gamma static measurements
- Alpha/beta scan surveys
- Alpha/beta static measurements
- Alpha/beta smear measurements
- Sample collection and laboratory analysis

The following subsections provide a summary of the scoping survey activities performed and their results.

#### **7.1.1 Gamma Scan Surveys**

Gamma scans were performed over 100 percent of the accessible surfaces of each SU. A total of 92 gamma scan locations exceeded the gamma scan IL.

#### **7.1.2 Gamma Static Measurements**

Gamma static biased measurements were performed at each location where the gamma scan IL was exceeded. Table 6 summarizes these results. No biased gamma static measurement results exceeded the IL.

#### **7.1.3 Alpha/Beta Scan Surveys**

Alpha and beta scan surveys were performed, as described in Section 5.3.3.1. Table 7 summarizes the results of the alpha and beta scan surveys. A total of 87,471 scan measurements were performed for alpha and beta activity. A total of 3,864 alpha scan measurements (4.4 percent) exceeded the alpha scan IL of 100 dpm/100 cm<sup>2</sup>. No measurements exceeded the beta scan IL of 1,000 dpm/100 cm<sup>2</sup>. The alpha scan MDC

achieved in the field exceeded the planned alpha scan MDC by more than a factor of two and exceeded the alpha scan IL of 100 dpm/100 cm<sup>2</sup> by a factor of two.

#### **7.1.4 Alpha/Beta Static Measurements**

Alpha and beta two-minute static measurements were performed at 54 systematic locations in SUs 4 and 5 and at 61 systematic locations in SU 6 on a random-start triangular grid. A total of 169 alpha and beta static measurements were performed at systematic locations. No alpha or beta systematic static results exceeded the release criterion. Table 8 summarizes alpha and beta systematic static measurement results.

Alpha and beta two-minute static measurements were performed at locations with the highest alpha scan results and in manholes and grates in each SU. A total of 111 alpha and beta measurements were performed at biased locations. No alpha or beta biased static measurement results exceeded the release criterion. Table 9 summarizes the alpha and beta biased static measurement results.

#### **7.1.5 Alpha/Beta Smear Measurements**

Alpha and beta smear samples were collected at locations where alpha and beta systematic and biased static measurements were performed to measure removable activity, with the exception of grates. No removable alpha or beta activity measurements exceeded the release criteria in SUs 4, 5, and 6. Table 10 summarizes survey results for smears collected at systematic locations and Table 11 summarizes survey results for smears collected at biased locations.

#### **7.1.6 Solid Sample Collection and Laboratory Analysis**

Concrete samples were collected at three biased locations in SUs 4 and 5, and at two locations in a proposed reference background area in SU 6. Figure 27 displays sample locations for SUs 4, 5, and 6 and Table 12 summarizes the results.

<sup>226</sup>Ra was detected in all five concrete samples. Detected <sup>226</sup>Ra concentrations ranged from 0.310 to 0.903 pCi/g. Based on the natural concentrations in various rocks and stone, which range from 0.42 to 1.3 pCi/g (California Environmental Protection Agency, 2006), the <sup>226</sup>Ra concentrations detected in the project samples are consistent with natural background and not related to Navy historical activities. No other potential sources of elevated alpha activity associated with naval operations were identified by the concrete sample analyses.

## 7.2 Conclusions

The radiological scoping survey of the finger piers identified several areas of alpha exceedances above the release criterion in SUs 4, 5, and 6. While exceedances above the alpha scan release criterion of 100 dpm/100 cm<sup>2</sup> were observed, static measurements and concrete samples demonstrate the alpha activity is not from alpha emitting ROCs <sup>226</sup>Ra and <sup>239</sup>Pu. Therefore, the survey results do not conclude that exceedances are the result of historical Navy operations. Based on the DQOs included in the Work Plan (APTIM, 2019), further investigation of the finger piers is recommended.

## 7.3 Recommendations

Based on the radiological scoping survey results and DQOs included in the Work Plan (APTIM, 2019), it is recommended further investigation of the finger piers focus on investigating alpha activity on concrete surfaces. Additional characterization surveys will be designed in accordance with MARSSIM guidance to determine if residual alpha radioactivity is related to historical Navy activities or is naturally occurring in the materials used to construct the finger piers. Due to practical challenges with alpha scanning in outdoor environments at levels consistent with the release criteria listed in Table 1, the survey may be limited to additional material (concrete) sampling to supplement static and smear measurements.



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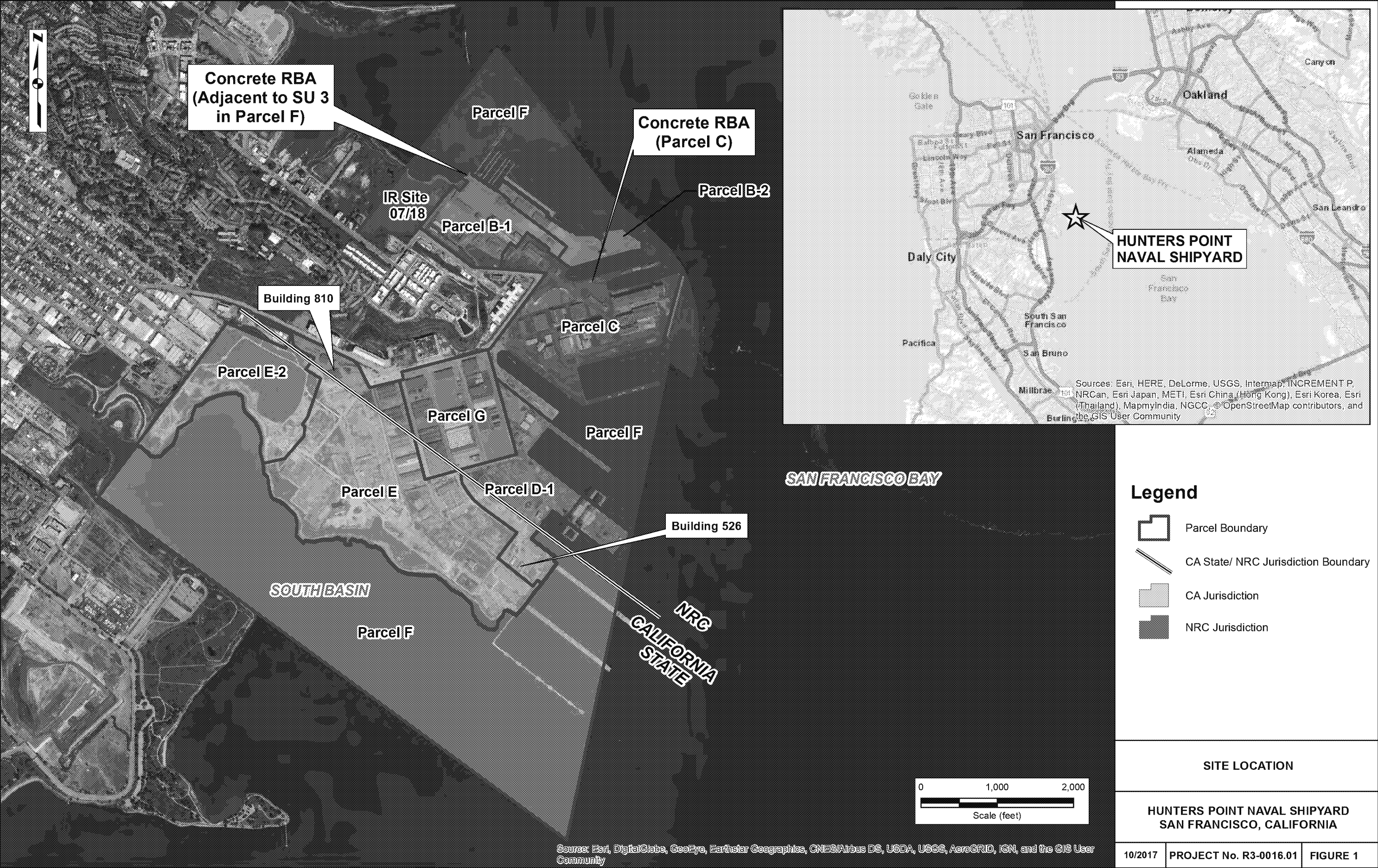
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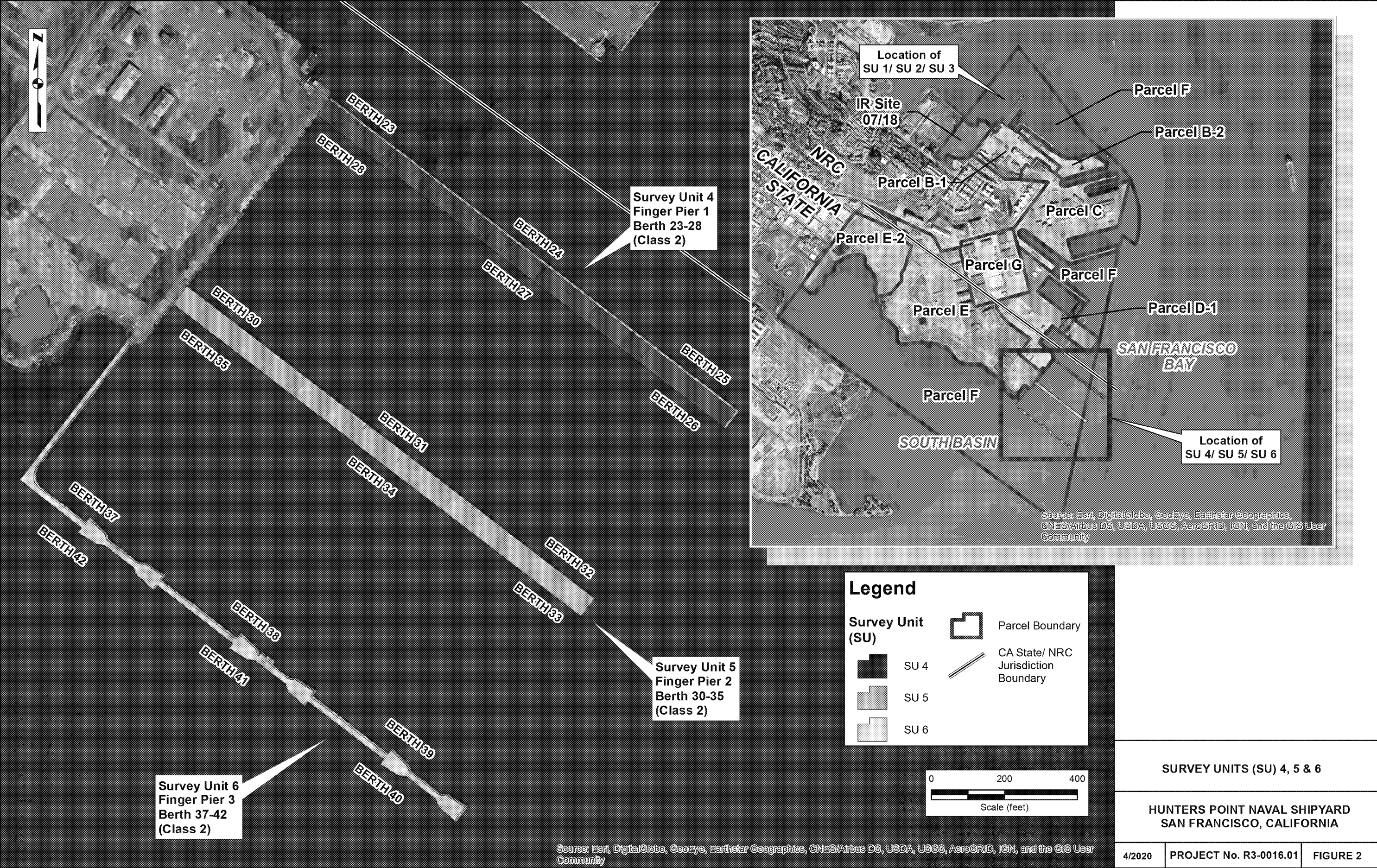
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## FIGURES

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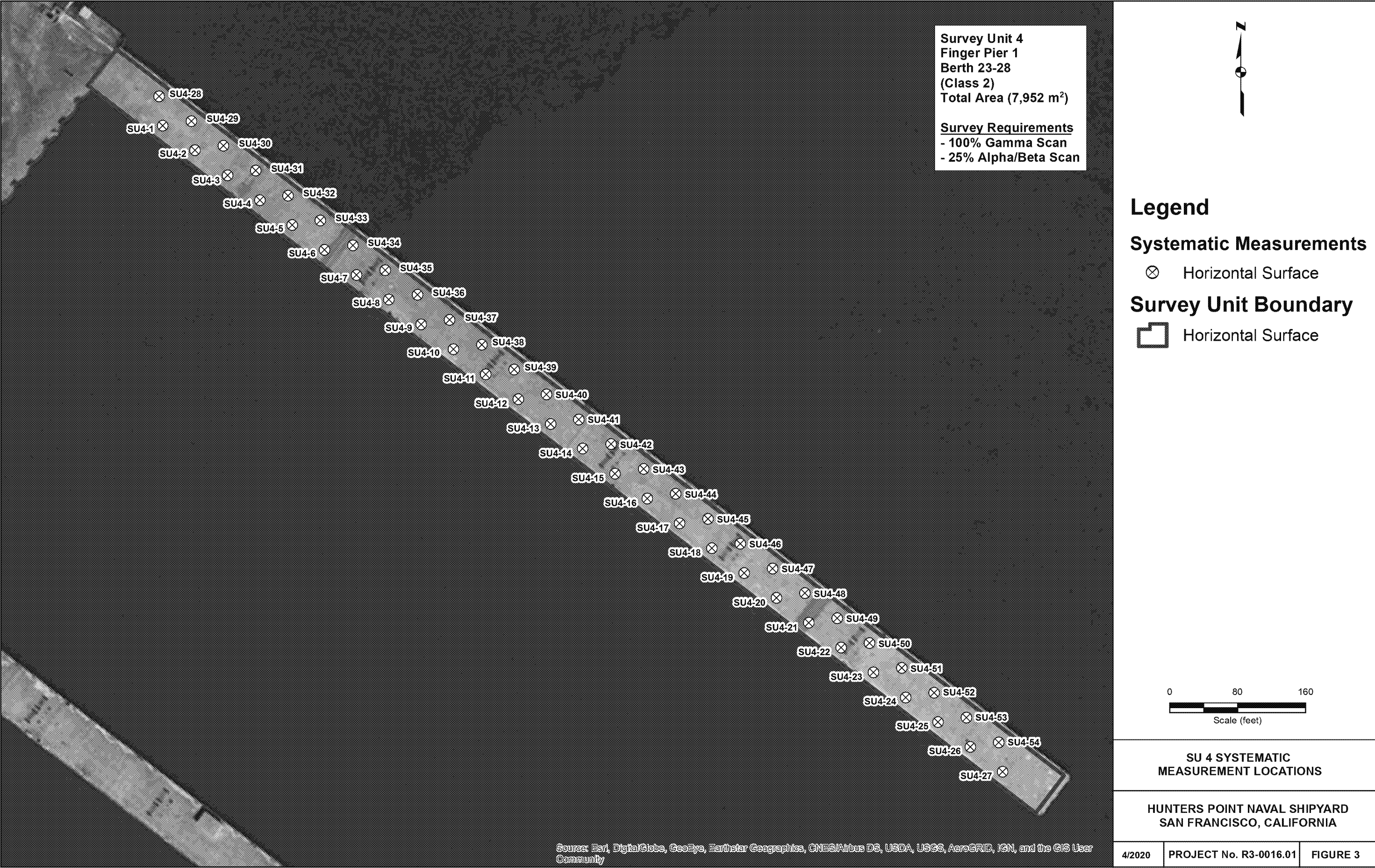


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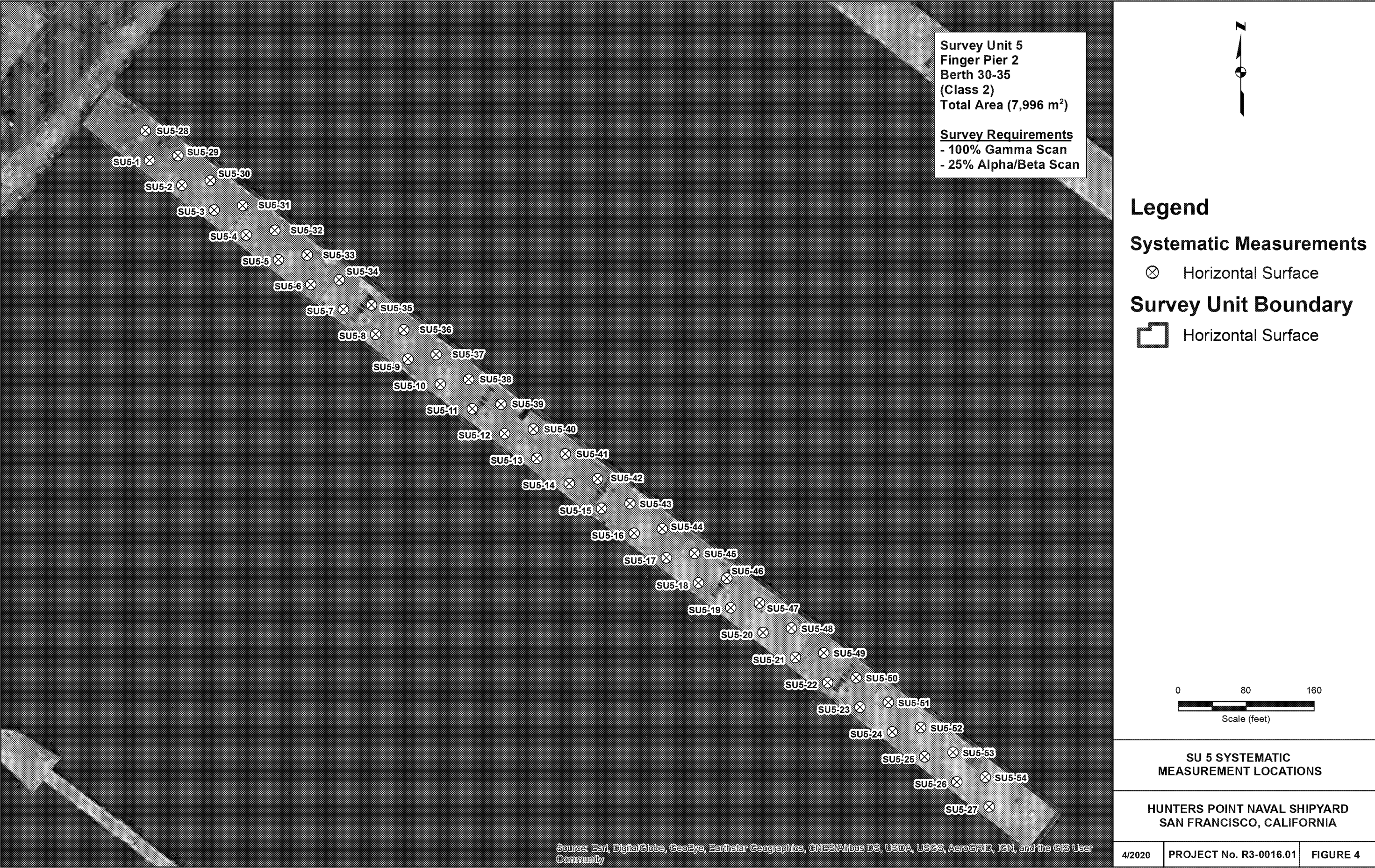




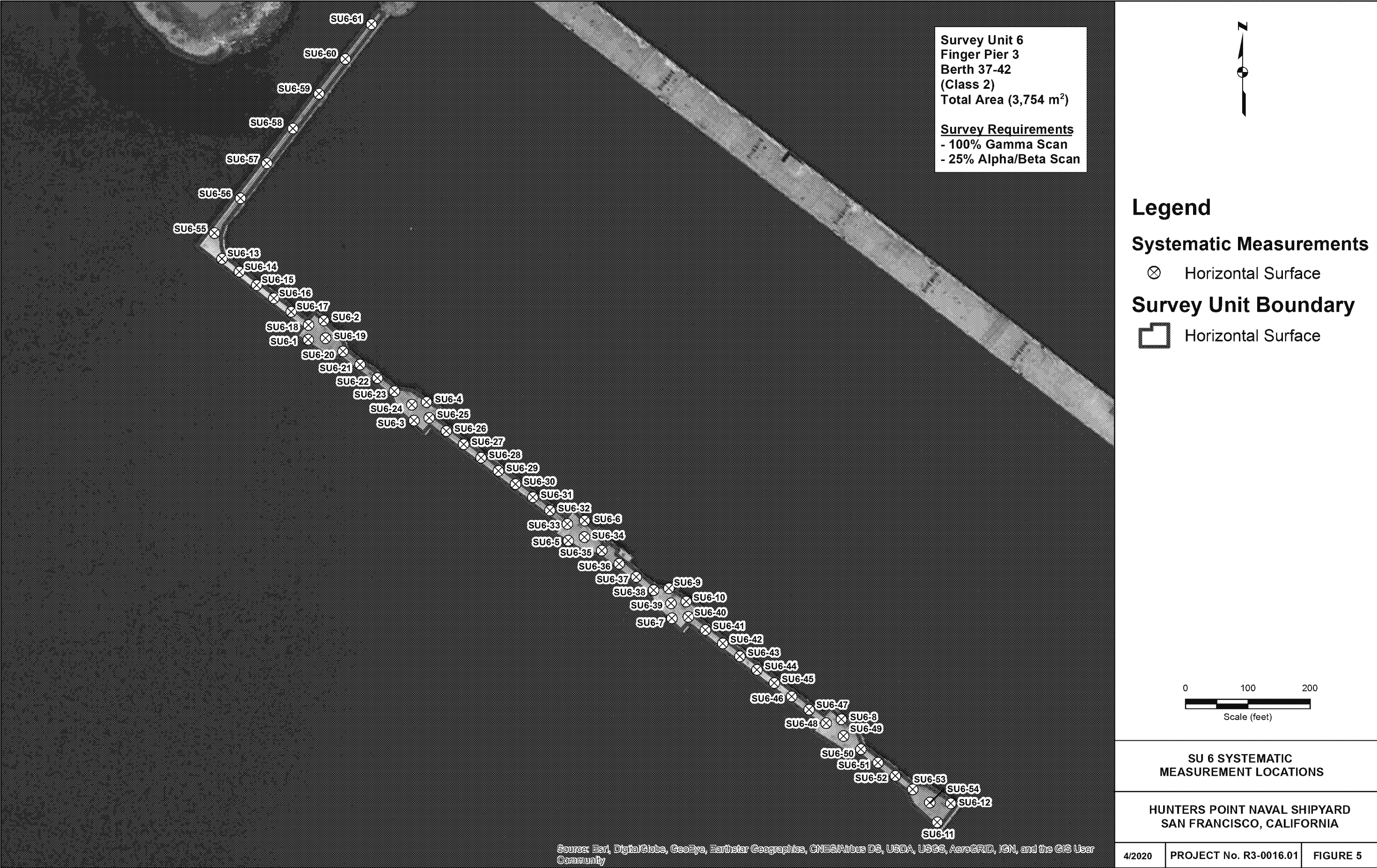
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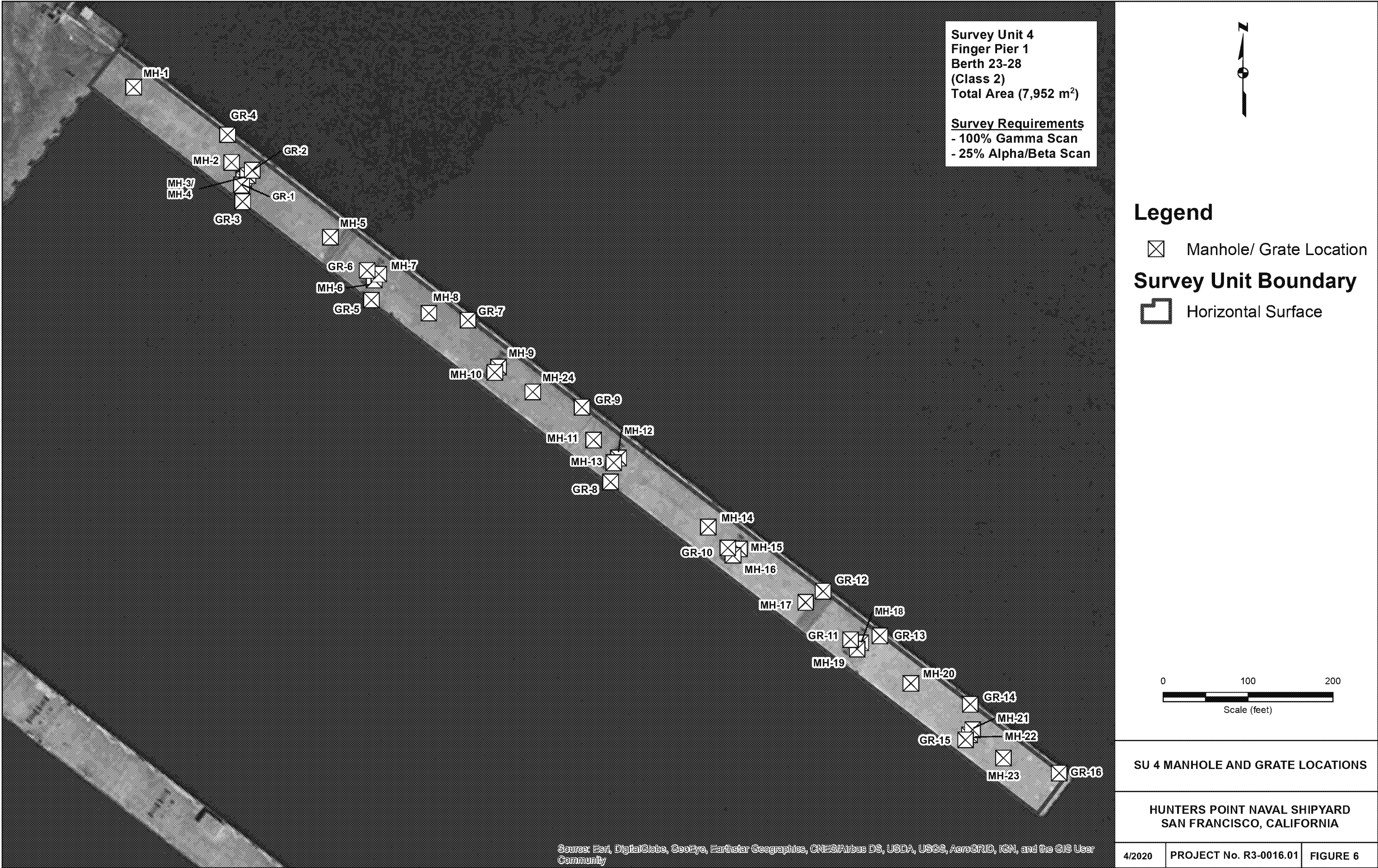
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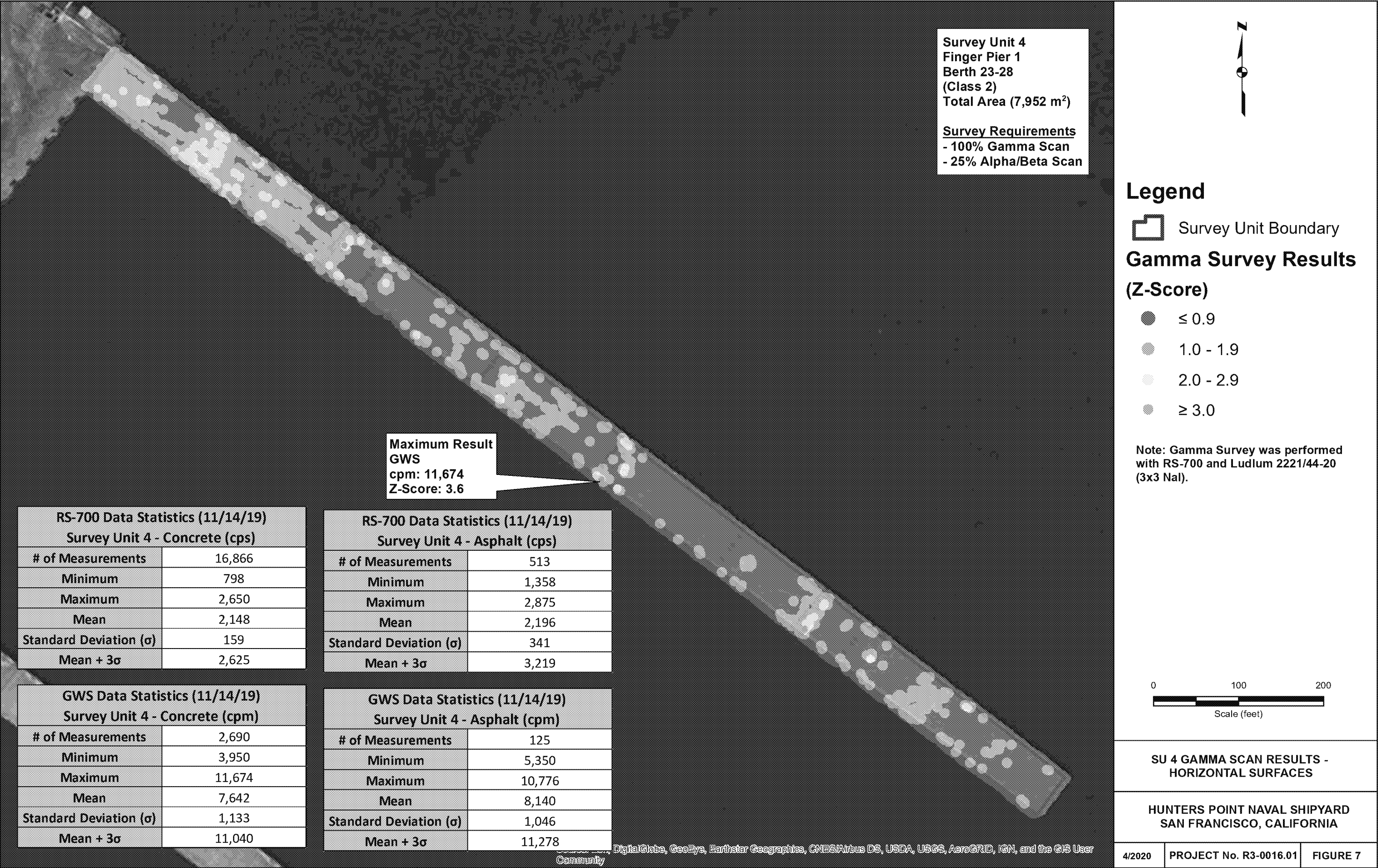


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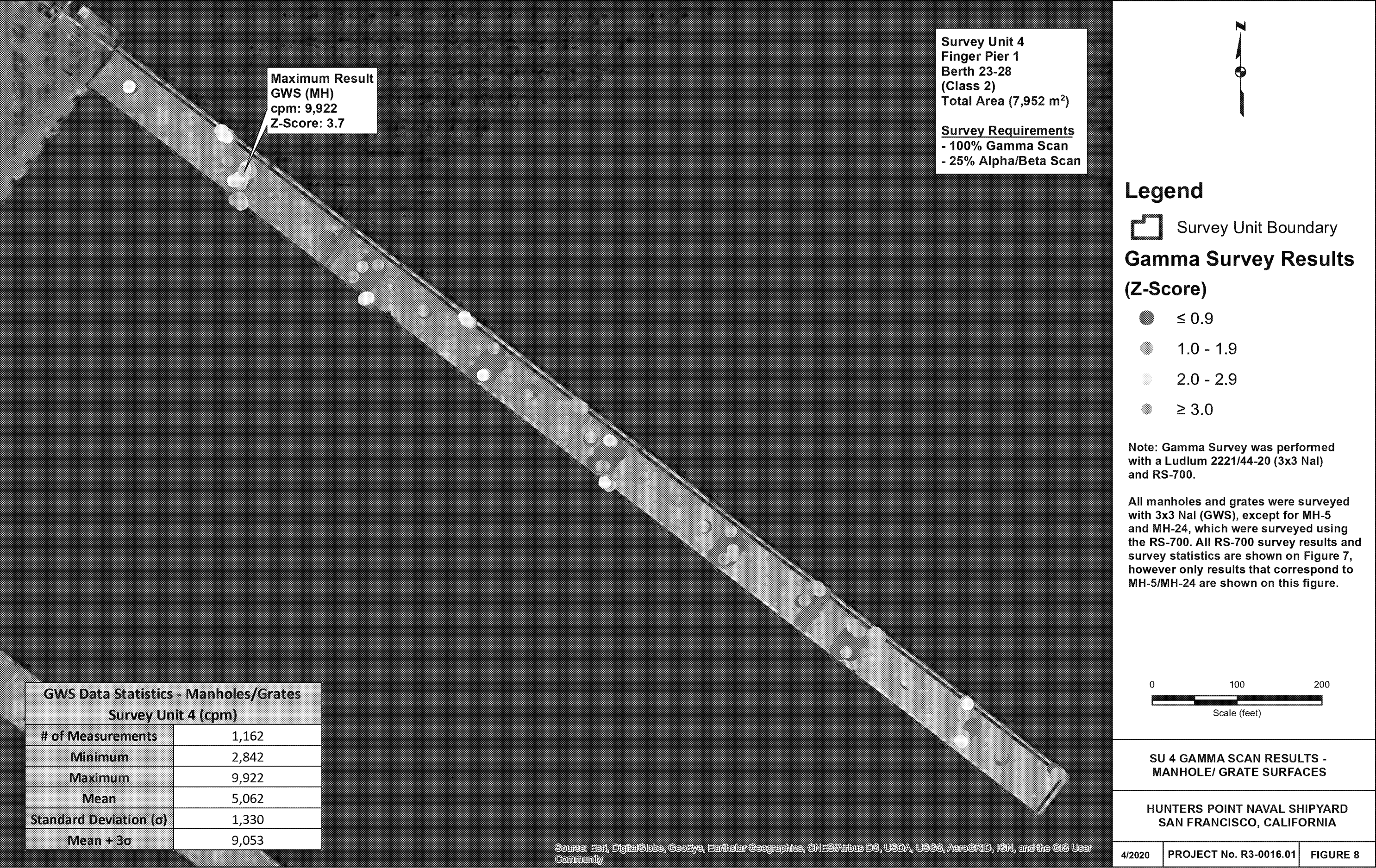




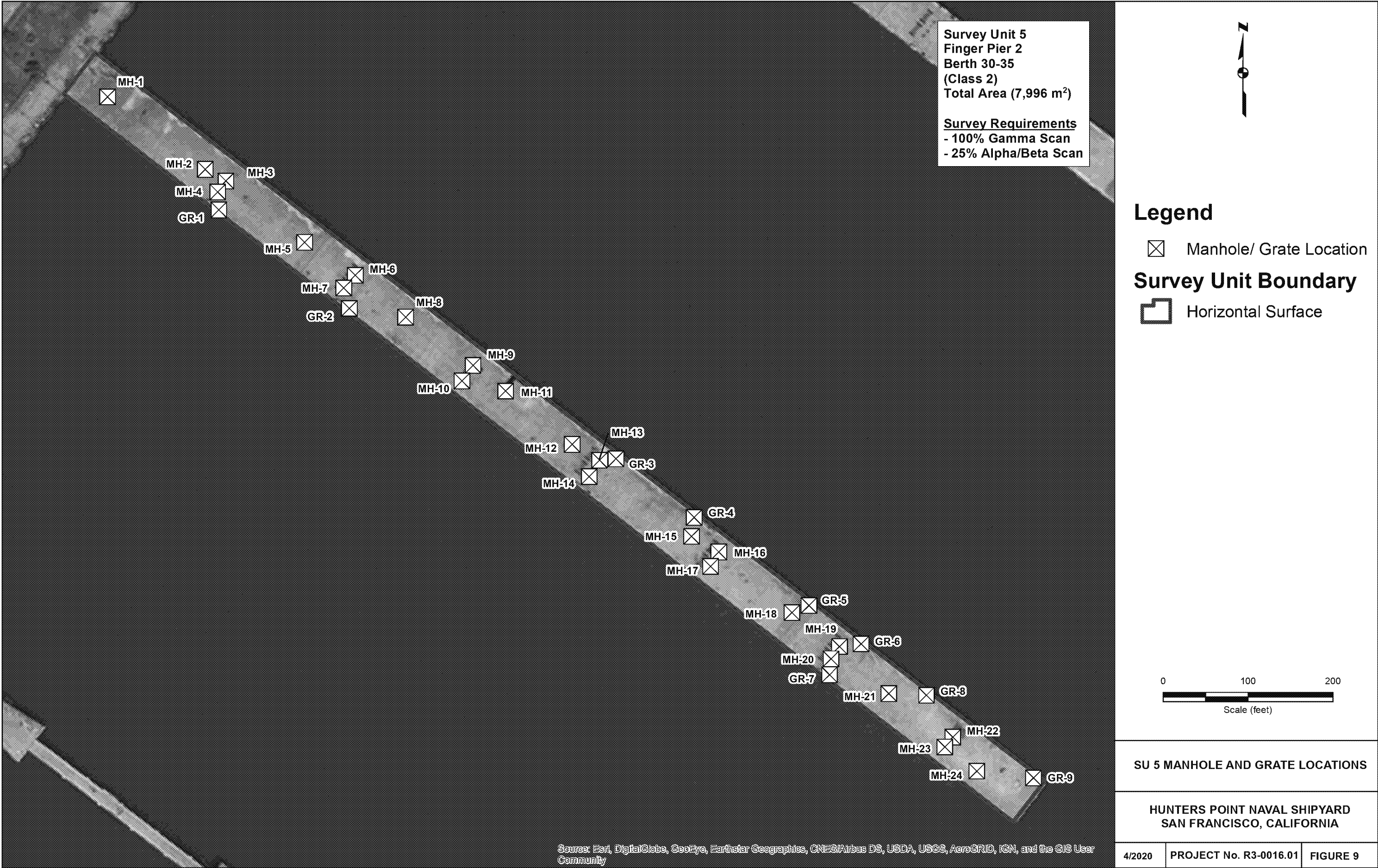
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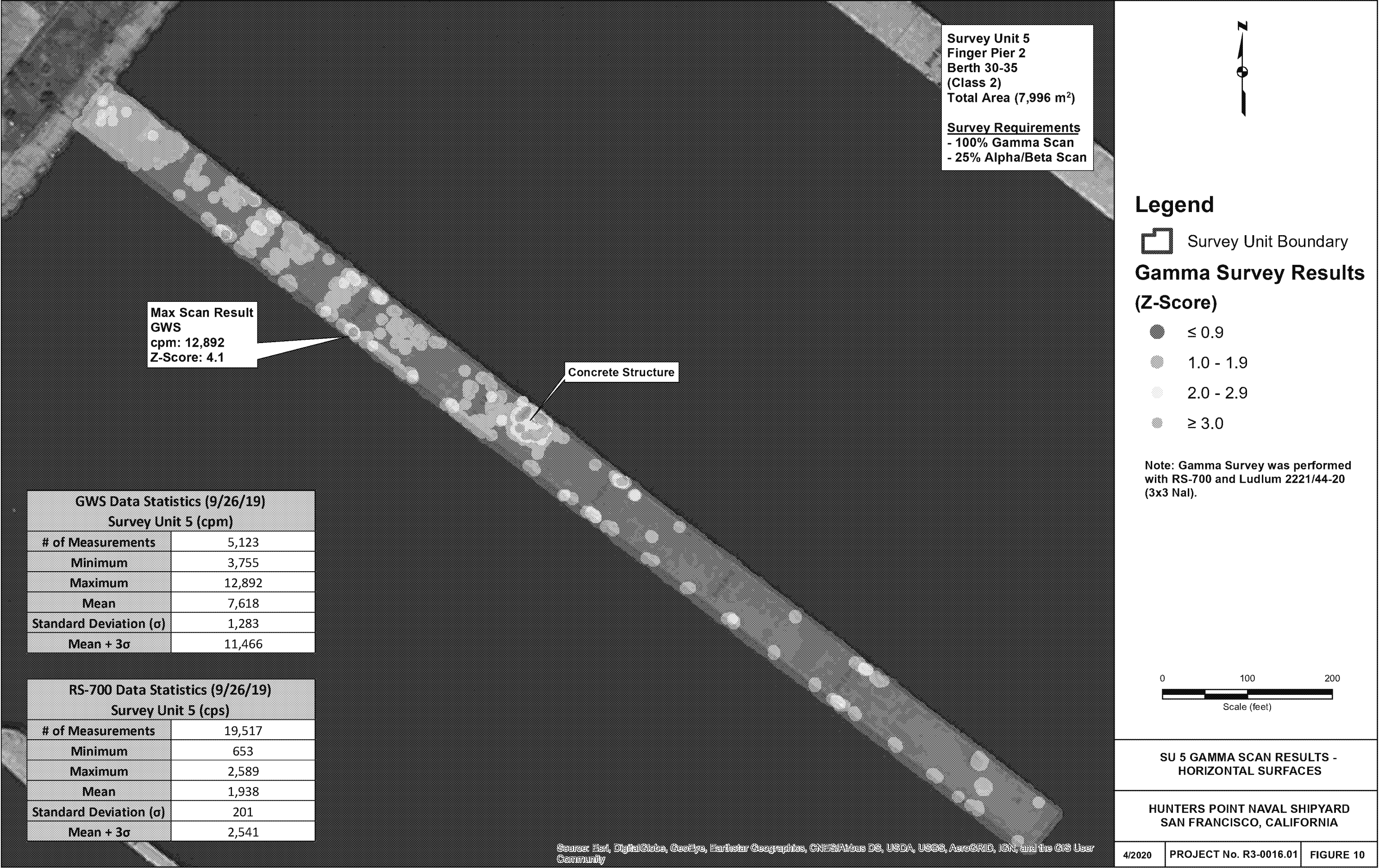
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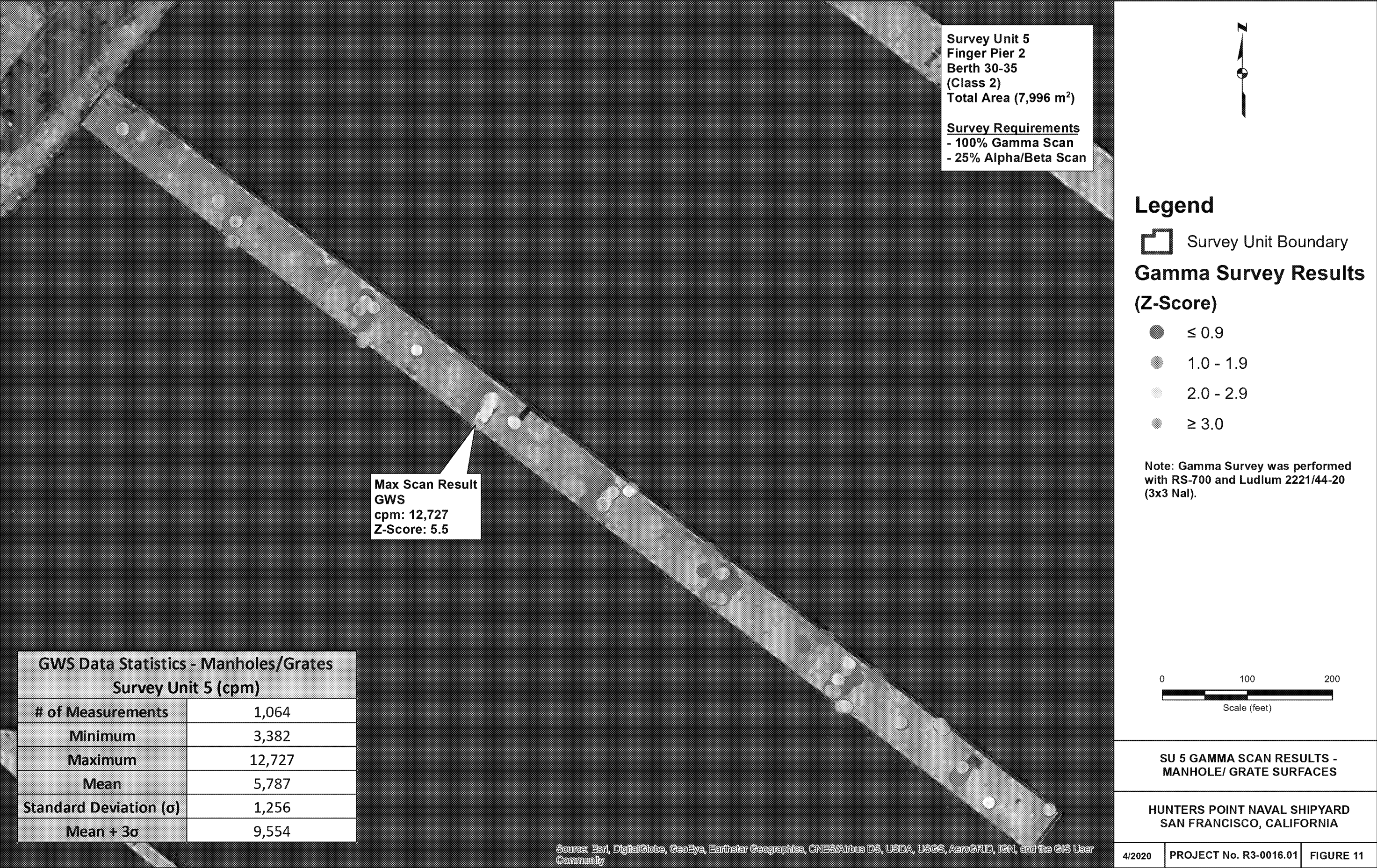


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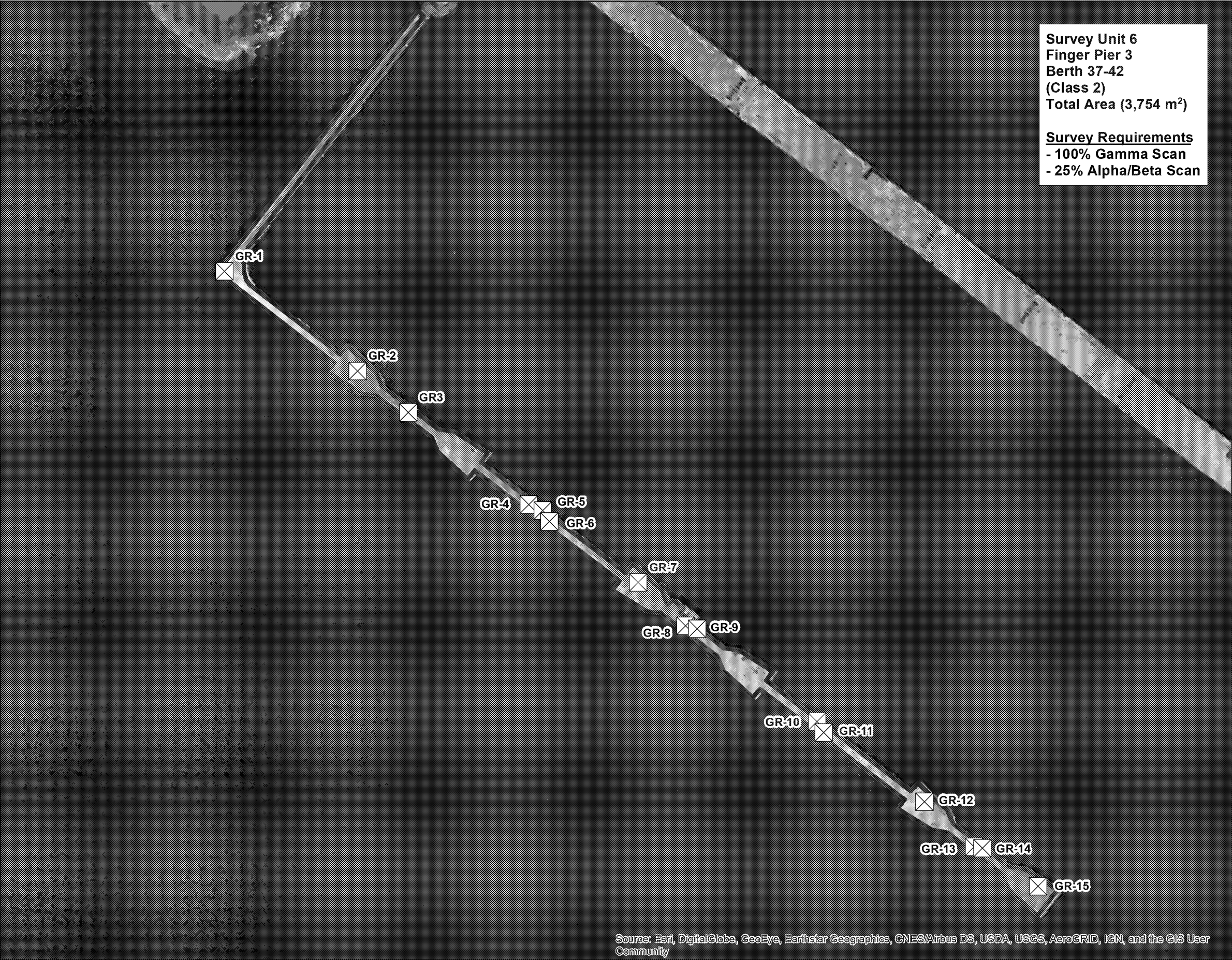





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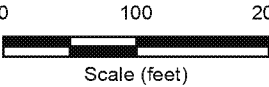


**Legend**

 Manhole/ Grate Location

**Survey Unit Boundary**

 Horizontal Surface



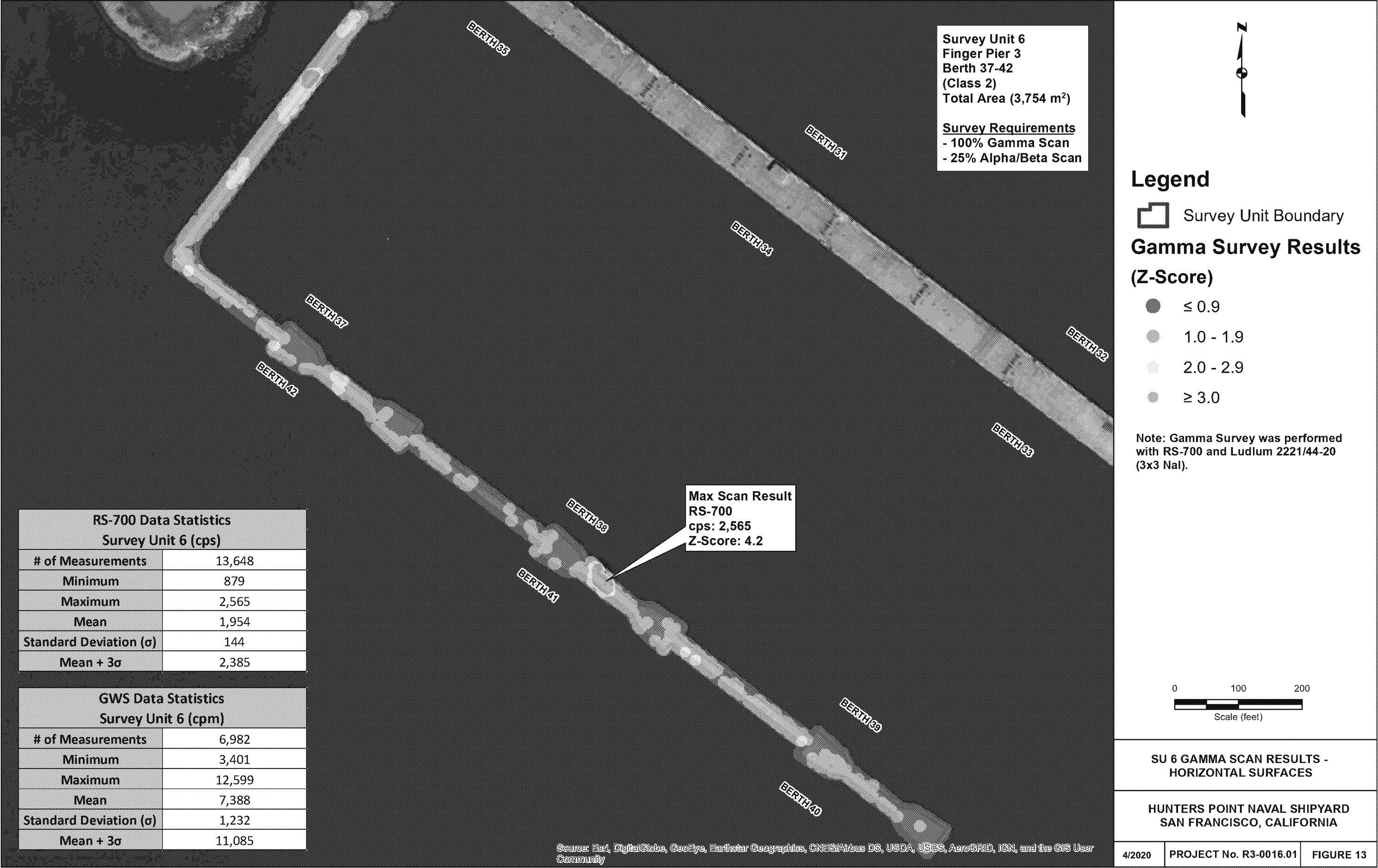
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**SU 6 MANHOLE AND GRATE LOCATIONS**

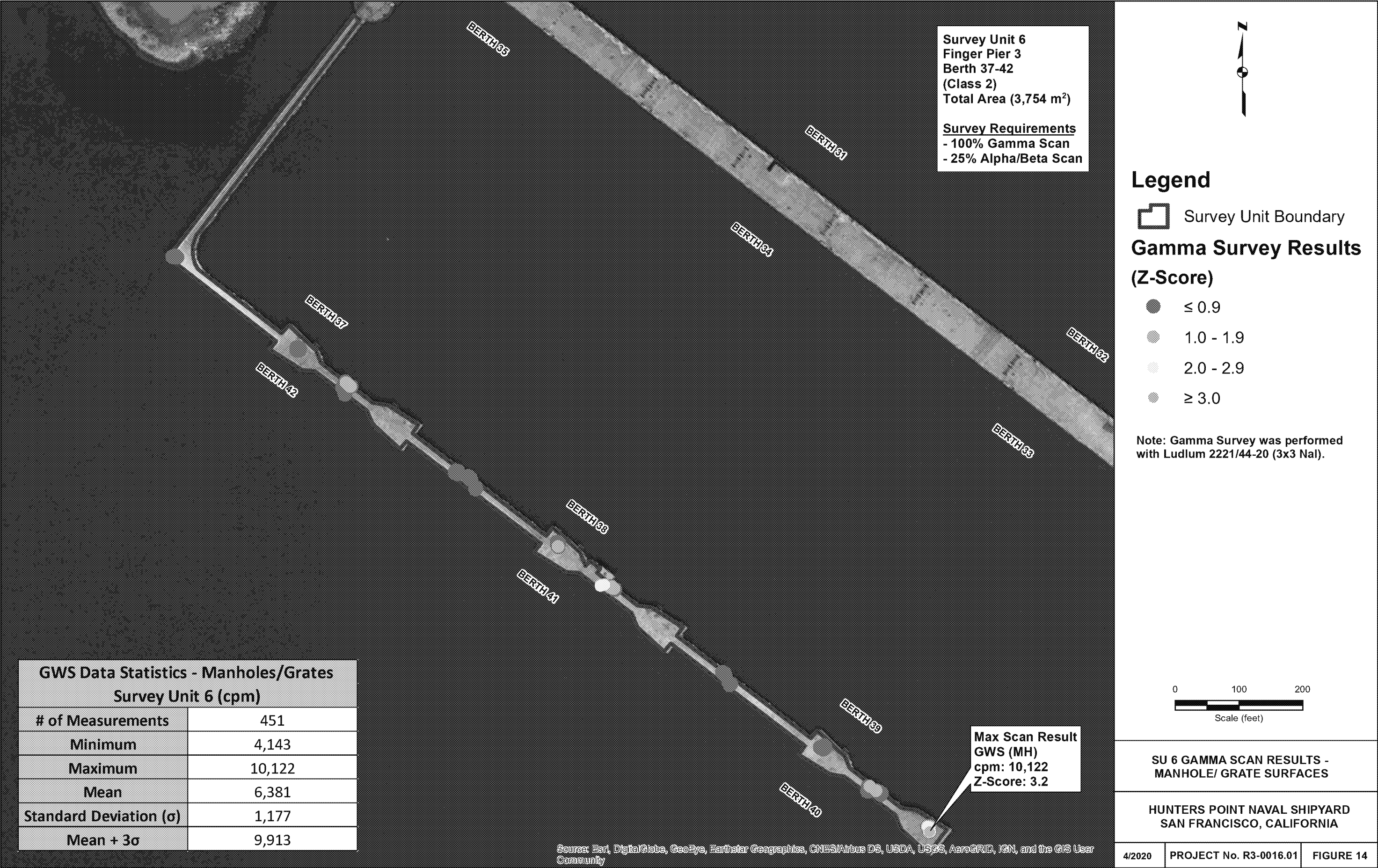
**HUNTERS POINT NAVAL SHIPYARD  
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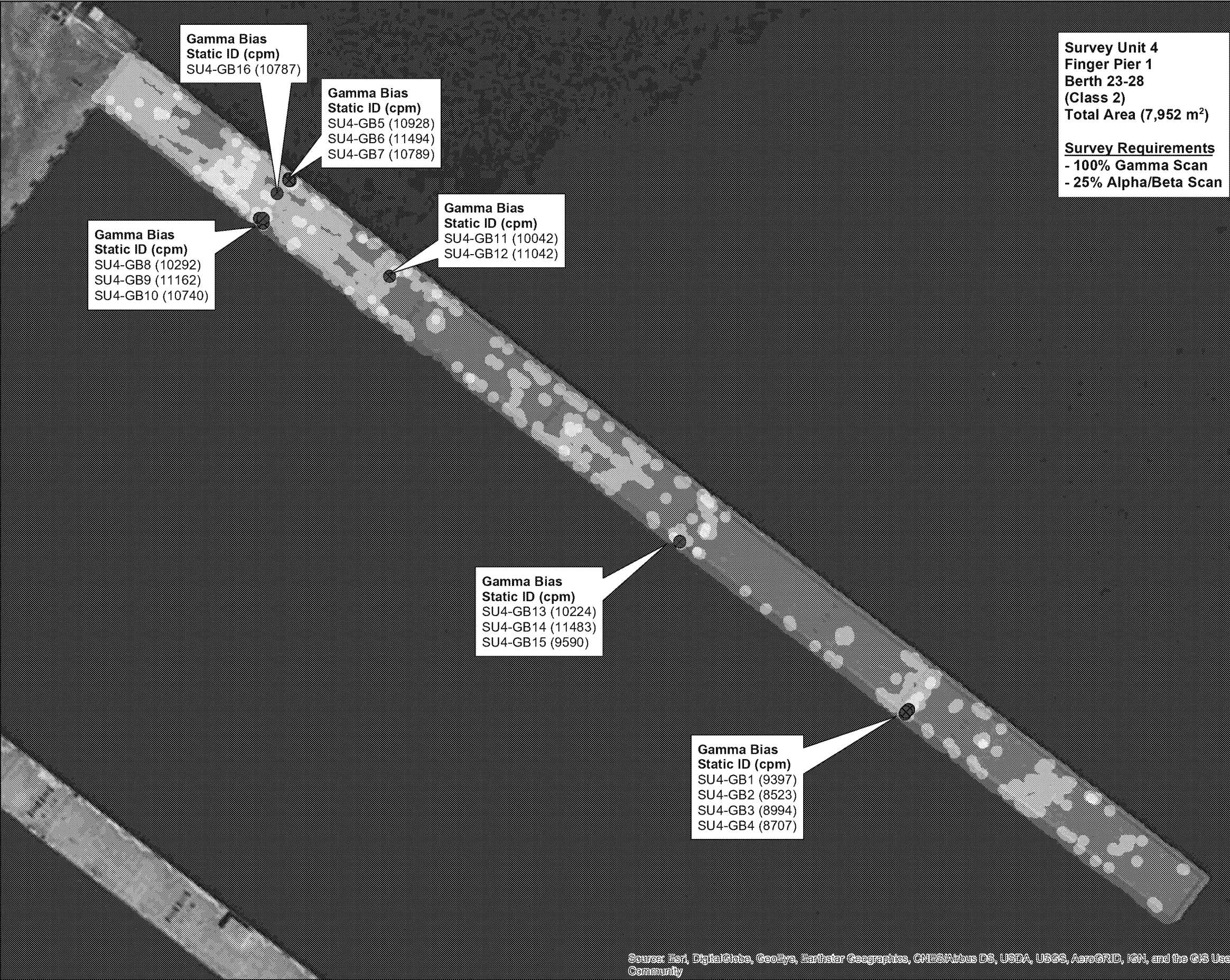



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**Legend**

- Gamma Bias Static
- ▭ Survey Unit Boundary

**Gamma Survey Results (Z-Score)**

- ≤ 0.9
- 1.0 - 1.9
- 2.0 - 2.9
- ≥ 3.0

**Note:** Gamma Survey was performed with RS-700 and Ludlum 2221/44-20 (3x3 NaI). Static measurements collected with Ludlum 2221/44-20 (3x3 NaI).

**Gamma Bias Static Measurement Investigation Level (IL)**  
Concrete = 14,421 cpm  
Metal = 7,184 cpm

'RED' cpm result indicates that the static result exceeds the IL and an Inspector 1000 shot was collected.

cpm = counts per minute

0100200

Scale (feet)

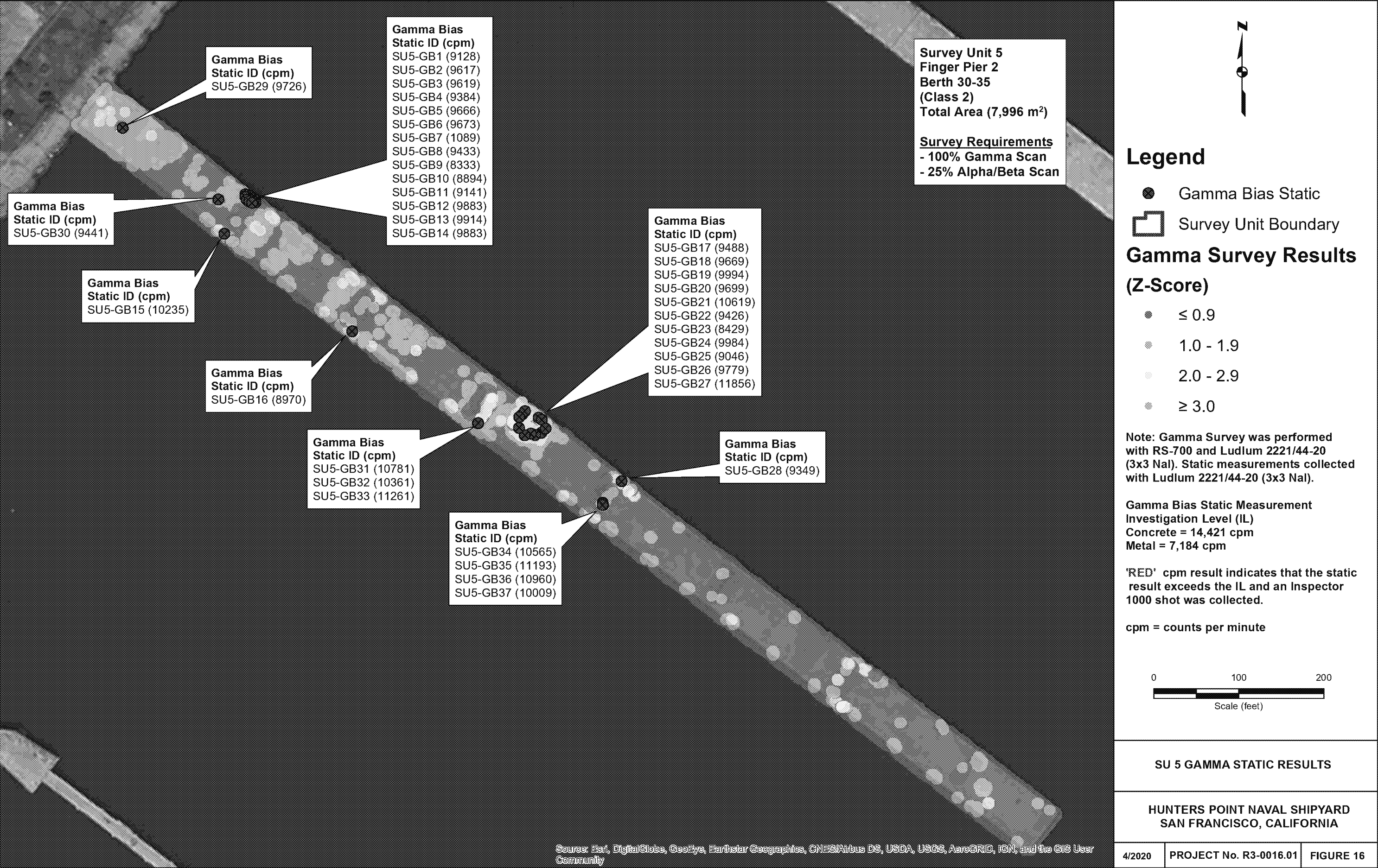
SU 4 GAMMA STATIC RESULTS

HUNTERS POINT NAVAL SHIPYARD  
SAN FRANCISCO, CALIFORNIA

4/2020	PROJECT No. R3-0016.01	FIGURE 15
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

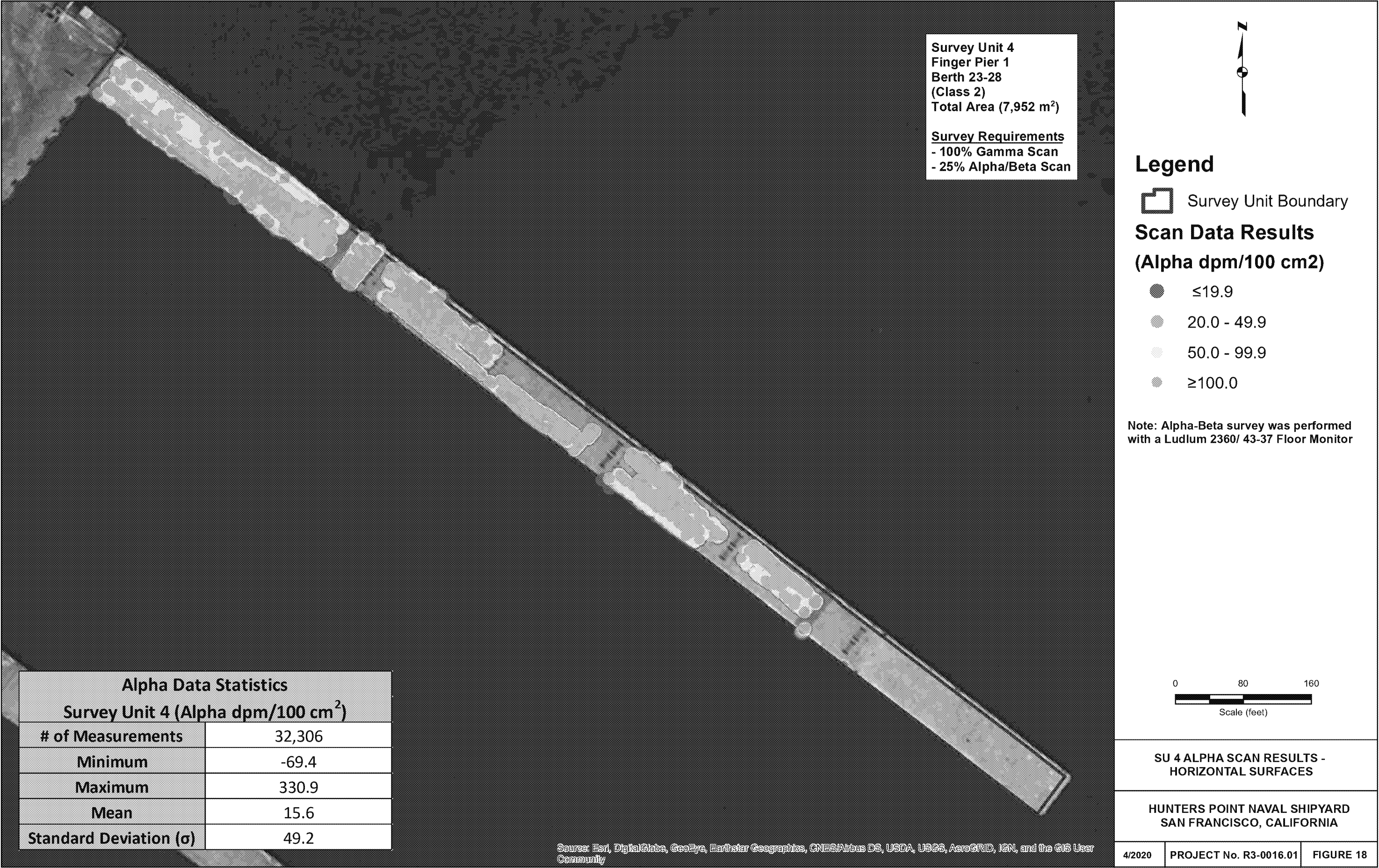
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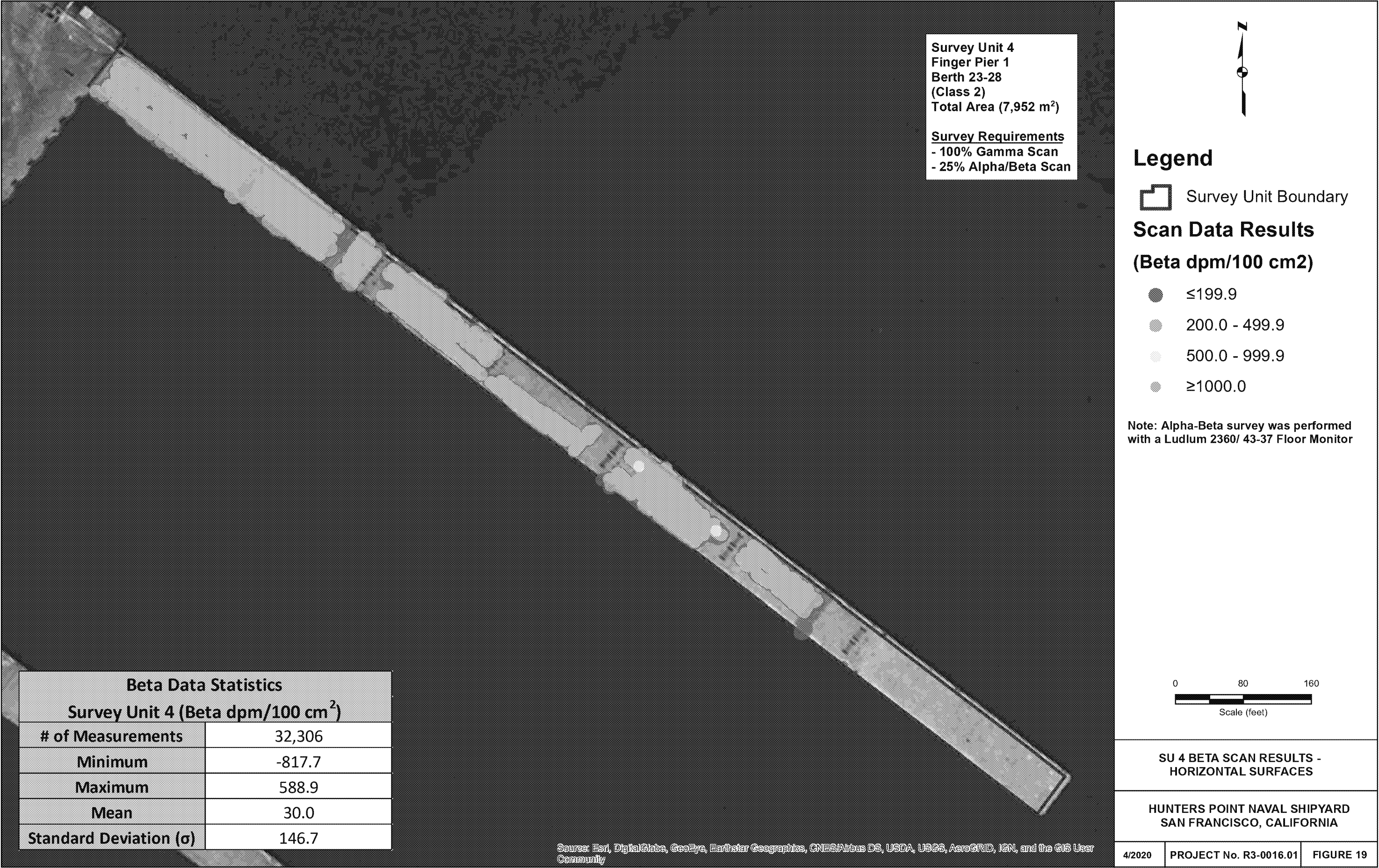


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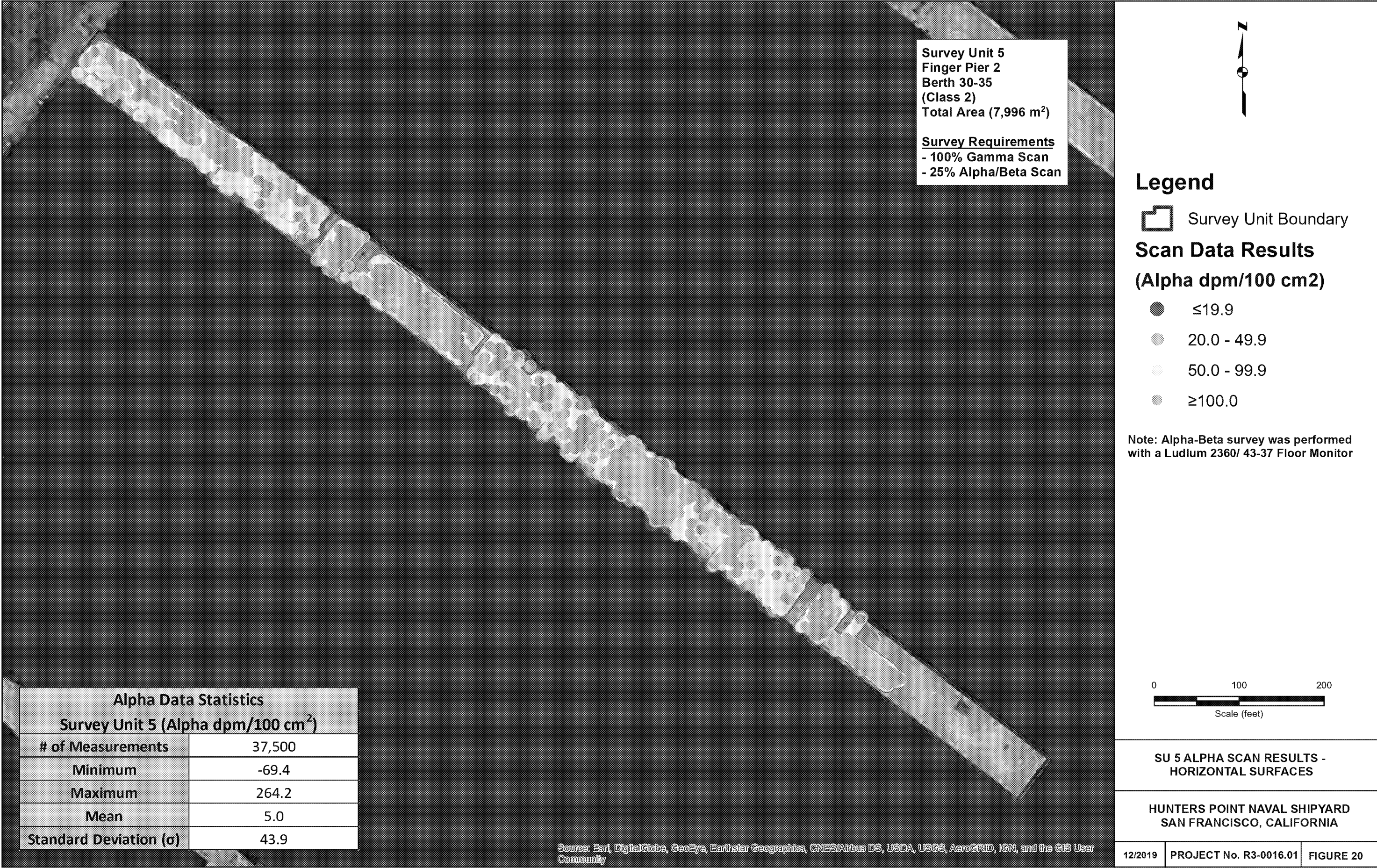




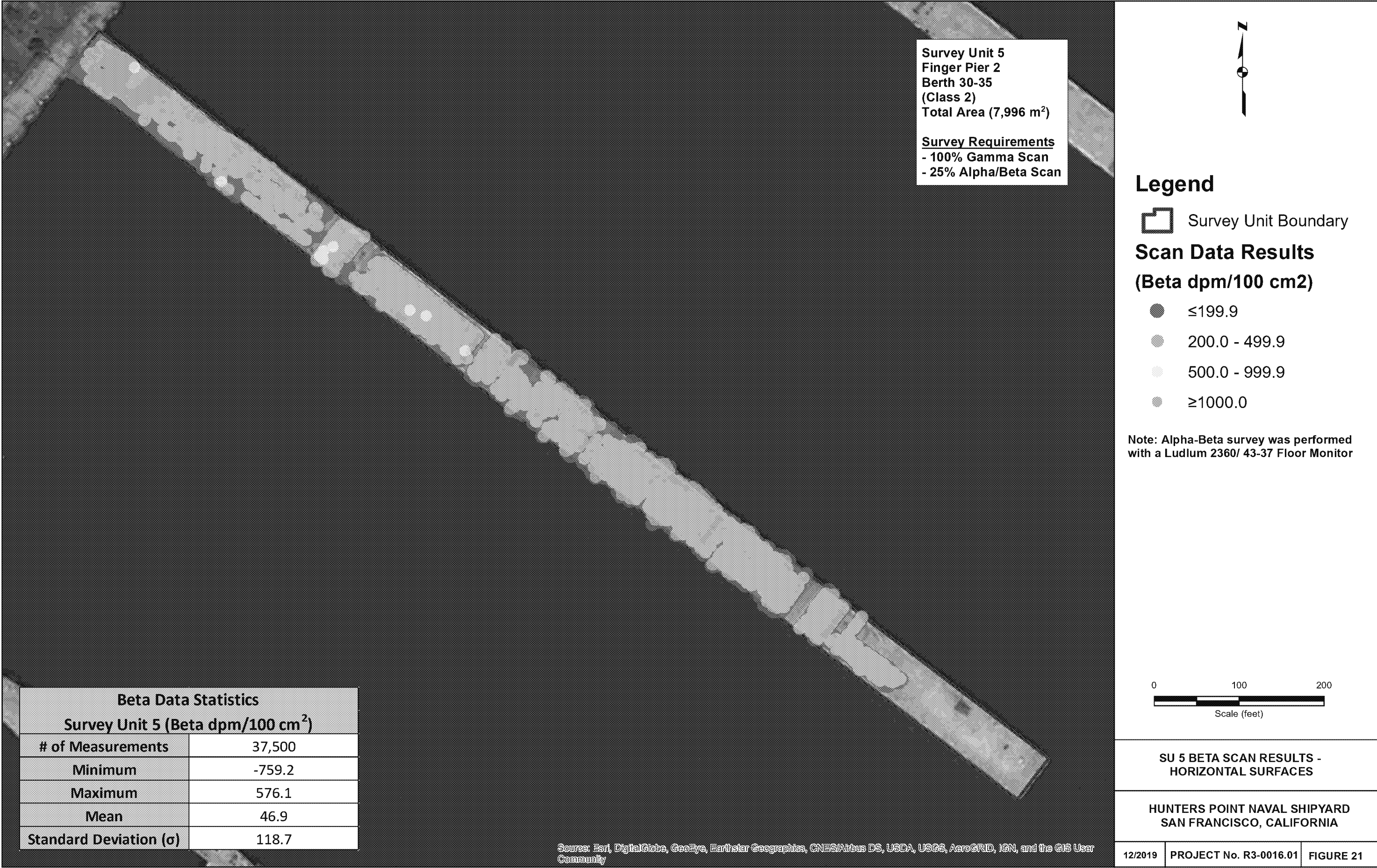
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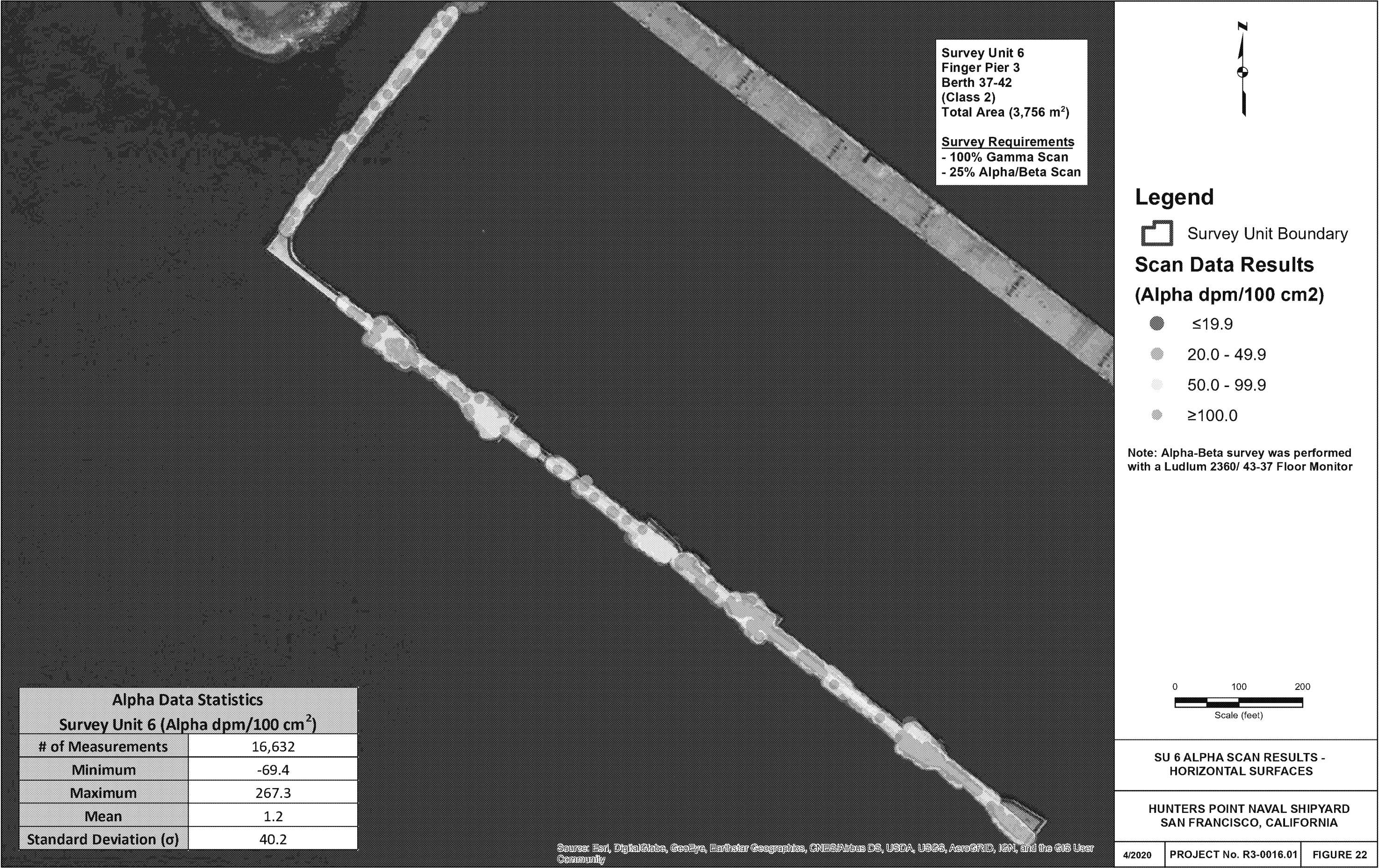
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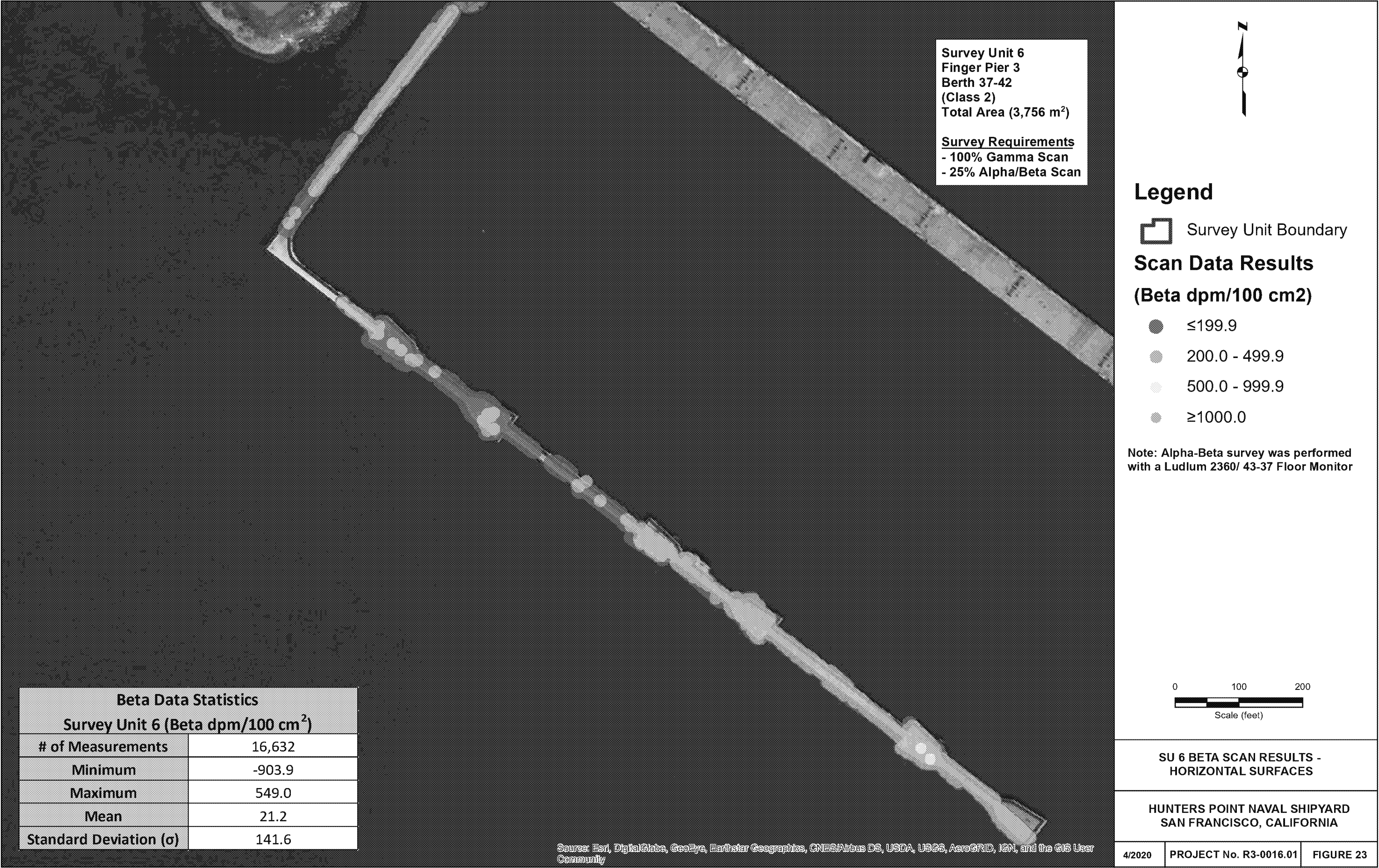


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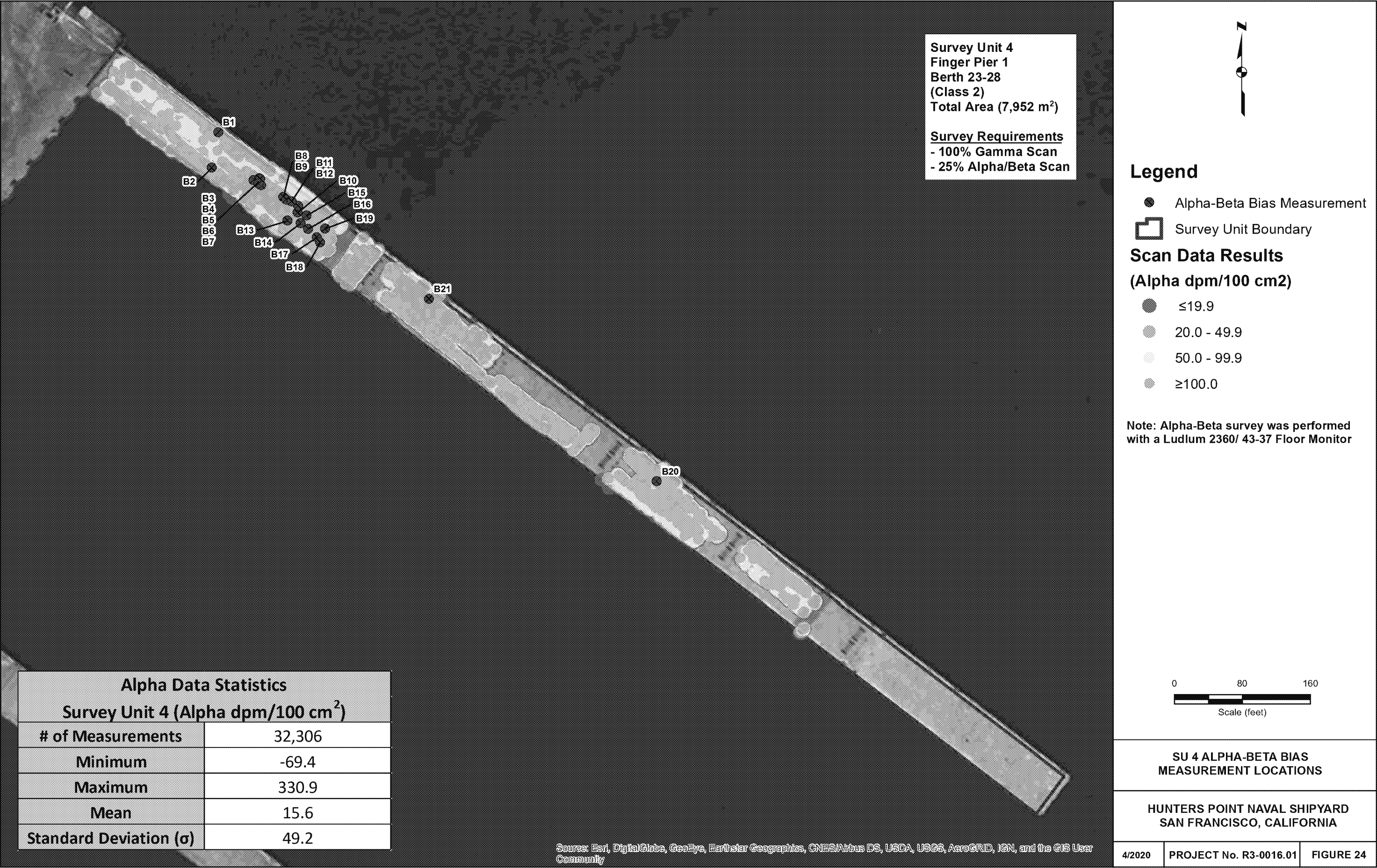




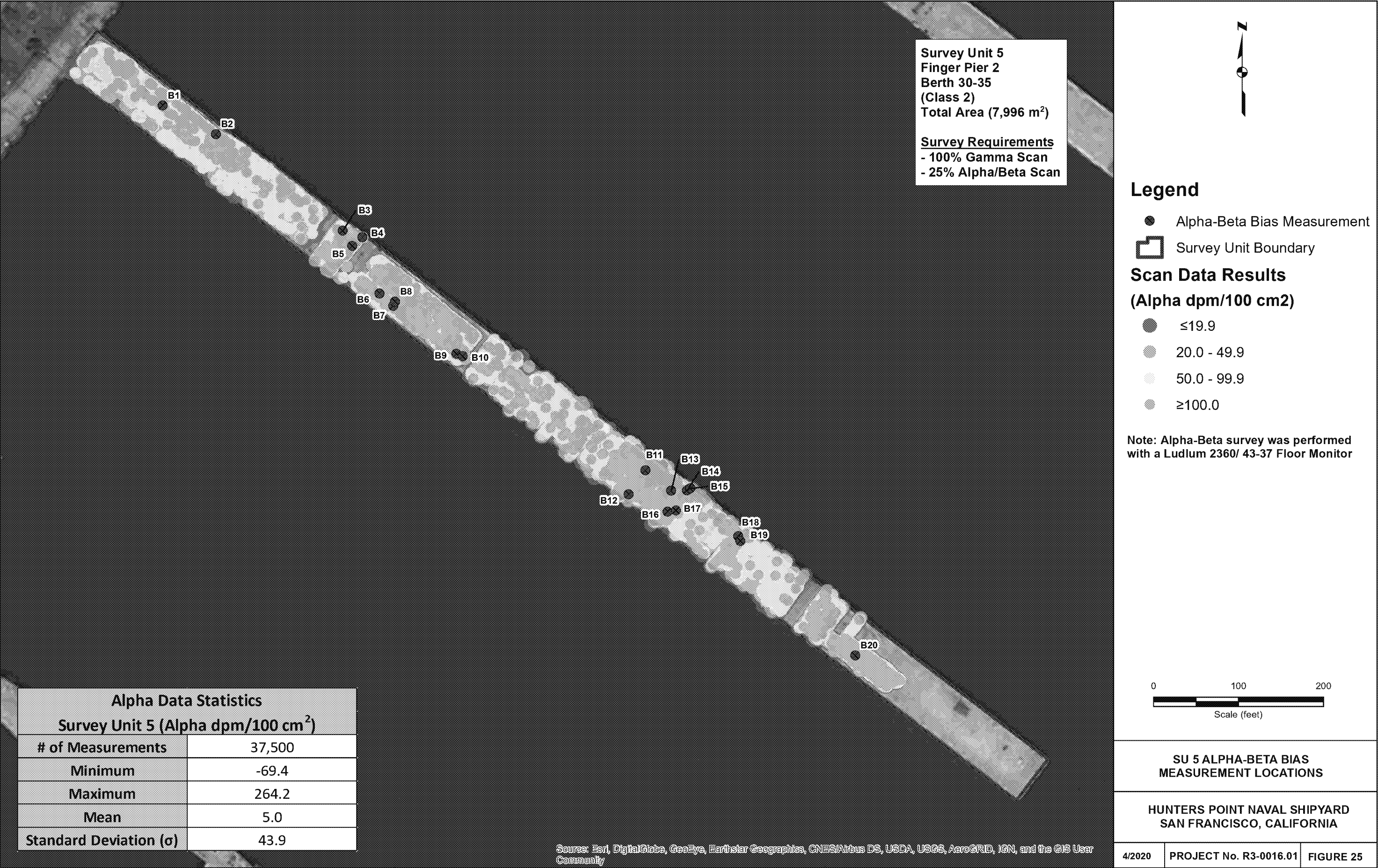
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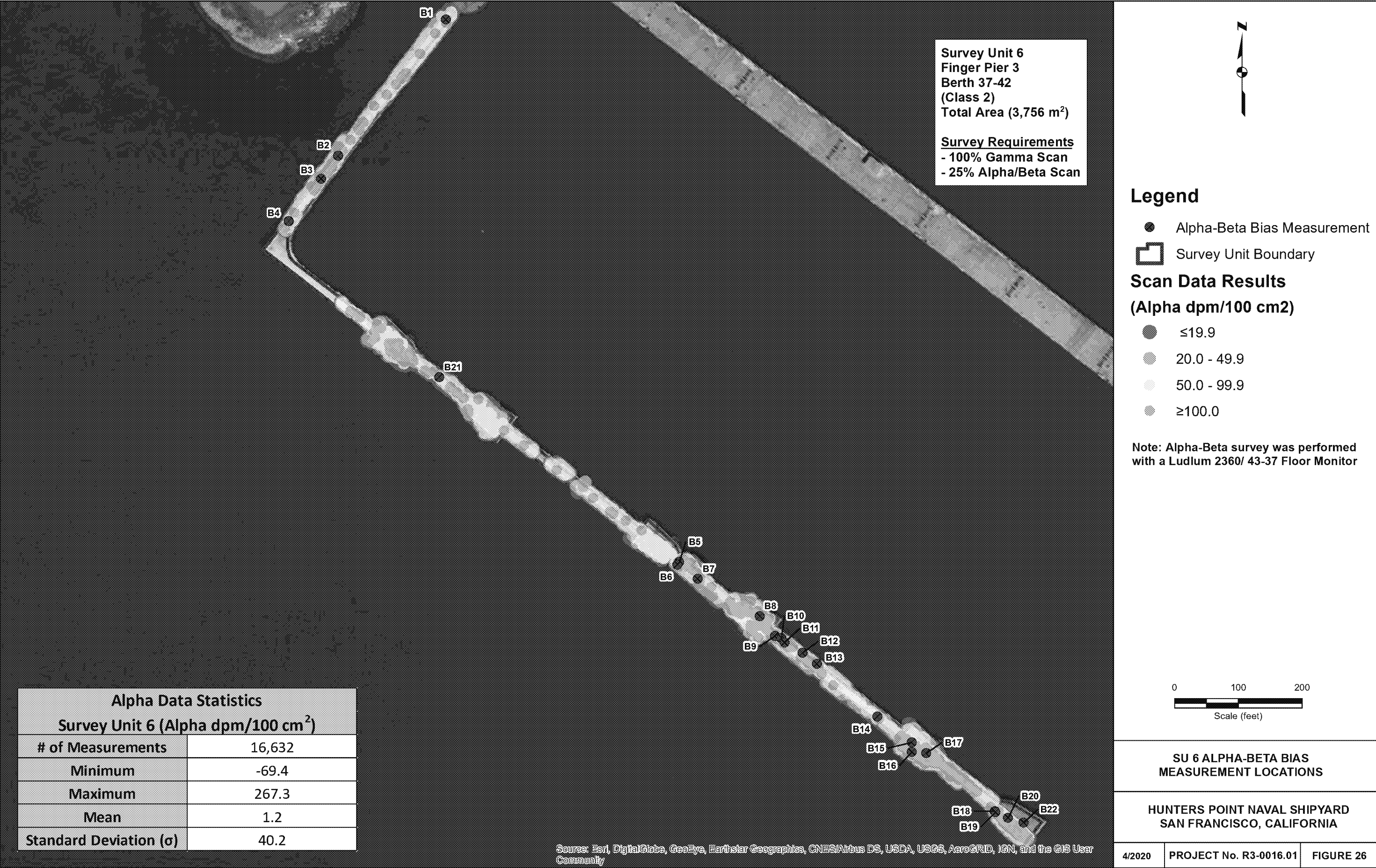
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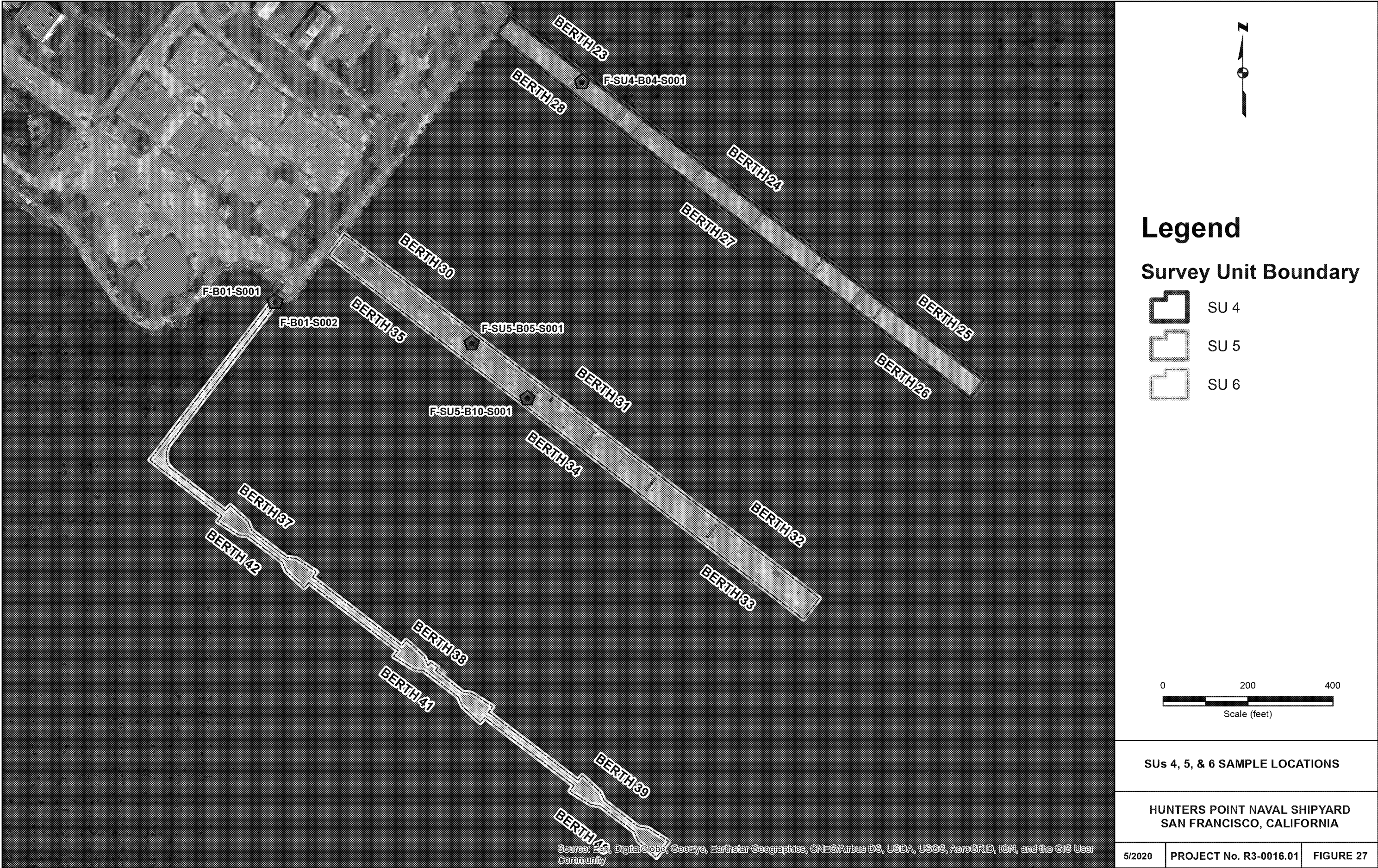


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## TABLES

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**Table 1: Radionuclides of Concern and Release Criteria**

ROC	Half-Life	Radiations	Static Activity for Alpha and Beta (dpm/100 cm <sup>2</sup> )	Removable Activity for Alpha and Beta (dpm/100 cm <sup>2</sup> )
<sup>226</sup> Ra	1,600 years	Alpha ( $\alpha$ )/Gamma ( $\gamma$ )	100	20
<sup>137</sup> Cs	30.17 years	Beta ( $\beta$ - )/Gamma ( $\gamma$ )	5,000	1,000
<sup>239</sup> Pu	$2.41 \times 10^4$ years	Alpha ( $\alpha$ )/Gamma ( $\gamma$ )	100	20
<sup>90</sup> Sr	28.6 years	Beta ( $\beta$ - )	1,000	200

**Notes:**

Release criteria are to be applied according to *Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)* (U.S. Environmental Protection Agency et al., 2000) guidelines as established in the *Final Basewide Radiological Removal Action, Action Memorandum—Revision 2006, Hunters Point Shipyard, San Francisco, California* (U.S. Department of the Navy, 2006).

<sup>90</sup>Sr                    strontium-90  
<sup>137</sup>Cs                    cesium-137  
<sup>226</sup>Ra                    raduim-226  
<sup>239</sup>Pu                    plutonium-239  
dpm/100 cm<sup>2</sup>        disintegration per minute per 100 square centimeters  
ROC                    radionuclide of concern

**References:**

U.S. Department of the Navy, 2006, *Final Basewide Radiological Removal Action, Action Memorandum—Revision 2006, Hunters Point Shipyard, San Francisco, California*.  
U.S. Environmental Protection Agency, U.S. Nuclear Regulatory Commission, and U.S. Department of Energy, 2000, *Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)*, NUREG 1575, EPA 402 R 97 016, DOE/EH 0624, Revision 1, Washington, D.C.

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**Table 2: Survey Unit Designations for Finger Piers**

Site Location	Survey Unit	Site Location Detail	MARSSIM Classification	Gamma Scanning	Alpha/Beta Scanning	Survey Description
Finger Piers	4	Finger Pier 1/ Ship Berths 23–28 7,166 m <sup>2</sup>	Class 2	100 percent	25 percent	Survey of horizontal surfaces of Finger Pier 1 (Figure 4)
	5	Finger Pier 2/ Ship Berths 30–35 7,996 m <sup>2</sup>				Survey of horizontal surfaces of Finger Pier 2 (Figure 5)
	6	Finger Pier 3/ Ship Berths 37–42 3,161 m <sup>2</sup>				Survey of horizontal surfaces of Finger Pier 3 (Figure 6)

**Notes**

HRA Section 8.3.7.2 (Naval Sea Systems Command, 2004) states the current potential for contaminated media as low or none. As defined in the HRA, a low potential categorization for media contamination indicates that the contamination potential is remote. The Parcel F finger piers scoping survey was designed to meet the requirements of a *Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)* (U.S. Environmental Protection Agency et al., 2000) Class 2 final status survey in the *Final Revision 2, Radiological Scoping Surveys Work Plan, Parcel F Structures, Hunters Point Naval Shipyard, San Francisco, California* (Aptim Federal Services, LLC, 2019).

HRA *Final Historical Radiological Assessment Volume II, History of the Use of General Radioactive Materials, 1939–2003, Hunters Point Shipyard, San Francisco, California*  
m<sup>2</sup> square meter



**Table 2: Survey Unit Designations for Finger Piers (continued)**

References:

Aptim Federal Services, LLC, 2019, *Final Revision 2, Radiological Scoping Surveys Work Plan, Parcel F Structures, Hunters Point Naval Shipyard, San Francisco, California*, May.

Naval Sea Systems Command, 2004, *Final Historical Radiological Assessment Volume II, History of the Use of General Radioactive Materials, 1939–2003, Hunters Point Shipyard, San Francisco, California*, August 31.

U.S. Environmental Protection Agency, U.S. Nuclear Regulatory Commission, and U.S. Department of Energy, 2000, *Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)*, NUREG 1575, EPA 402 R 97 016, DOE/EH 0624, Revision 1, Washington, D.C.

**Table 3: Field Survey Instrumentation**

Measurement Type	Detector Type	Effective Detector Area and Window Density	Instrument Model	Detector Model
Dose Rate	Nal(Tl) Scintillation	1-inch diameter × 1-inch length 2.7 g/cm <sup>3</sup> aluminum	Ludlum 19	N/A
Beta-Gamma	Geiger-Muller Survey Instrument	15 cm <sup>2</sup> 0.3 mg/cm <sup>2</sup> mica	Ludlum 3	Ludlum 44-9
Gamma	Nal(Tl) Scintillation	3-inch × 3-inch length 2.7 g/cm <sup>3</sup> aluminum	Ludlum 2221	Ludlum 44-20
Gamma	Nal(Tl) Scintillation	4-inch × 4-inch × 16-inch length 2.7 g/cm <sup>3</sup> aluminum	RS-700	RSX-1
Gamma	Nal Spectrometer (Nuclide Identification)	1.5-inch diameter x 1.5-inch length 2.7 g/cm <sup>3</sup> aluminum	Canberra InSpector 1000	N/A
Alpha/Beta Scan	Gas Flow Proportional	Floor Monitor Large Area (584 cm <sup>2</sup> ) 0.8 mg/cm <sup>2</sup> mylar	Ludlum 2360	Ludlum 43-37
Alpha/Beta Static	Gas Flow Proportional	Large Area (584 cm <sup>2</sup> ) 0.8 mg/cm <sup>2</sup> mylar	Ludlum 2360	Ludlum 43-37
Alpha/Beta Swipes	Dual Phosphor Scintillation	2-inch (5.1 cm) diameter 0.4 mg/cm <sup>2</sup> mylar	Ludlum 2929	Ludlum 43-10-1

Notes:

cm	centimeter
cm <sup>2</sup>	square centimeter
g/cm <sup>3</sup>	gram per cubic centimeter
mg/cm <sup>2</sup>	milligram per square centimeter
N/A	not applicable
Nal	sodium iodide
Nal (Tl)	sodium iodide (thallium-doped)

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Table 4: Calculated Minimum Detectable Concentrations for Field Instrumentation

Model No. (ratemeter/detector)	Serial No. (ratemeter/detector)	Surface Type	Nuclide Type	Background Count Rate (cpm) <sup>a</sup>	Background Count Time (min.) <sup>b</sup>	Sample Count Time (min.)	Total Efficiency <sup>c</sup>	Detector Active Area (cm <sup>2</sup> )	MDC (dpm/100 cm <sup>2</sup> )
Alpha and Beta Surface Scan—sequential six-second static counts (Section 3.4.4)									
2360/43-37	278586/PR178371	Concrete	Alpha	15.4	40	0.1	0.067	584	173
		Concrete	Beta	760.8	40	0.1	0.190	584	283
2360/43-37	215271/PR216985	Concrete	Alpha	23.1	40	0.1	0.074	584	180
		Concrete	Beta	871.3	40	0.1	0.192	584	298
2360/43-37	220263/PR216985	Concrete	Alpha	31.2	40	0.1	0.077	584	190
		Concrete	Beta	1,087.5	40	0.1	0.206	584	307
2360/43-37	278604/PR190617	Concrete	Alpha	20.3	40	0.1	0.067	584	189
		Concrete	Beta	975.9	40	0.1	0.196	584	309
2360/43-37	245779/PR190618	Concrete	Alpha	21.2	40	0.1	0.066	584	195
		Concrete	Beta	995.2	40	0.1	0.207	584	295
2360/43-37	275739/PR302114	Concrete	Alpha	34.5	40	0.1	0.076	584	198
		Concrete	Beta	1,061.1	40	0.1	0.195	584	321
2360/43-37	220242/PR124946	Concrete	Alpha	27.2	40	0.1	0.076	584	184
		Concrete	Beta	871.4	40	0.1	0.193	584	297
Alpha and Beta Static Measurements (Section 3.4.5)									
2360/43-37	278586/PR178371	Concrete	Alpha	15.4	40	2	0.067	584	27
		Concrete	Beta	760.8	40	2	0.190	584	60
2360/43-37	215271/PR216985	Concrete	Alpha	23.1	40	2	0.074	584	30
		Concrete	Beta	871.3	40	2	0.192	584	64
		Metal	Alpha	5.3	40	2	0.074	584	16
		Metal	Beta	416.5	40	2	0.192	584	45
2360/43-37	220263/PR216985	Concrete	Alpha	31.2	40	2	0.077	584	33
		Concrete	Beta	1,087.5	40	2	0.206	584	66
2360/43-37	278604/PR190617	Concrete	Alpha	20.3	40	2	0.067	584	31
		Concrete	Beta	975.9	40	2	0.196	584	66
2360/43-37	245779/PR190618	Concrete	Alpha	21.2	40	2	0.066	584	32
		Concrete	Beta	995.2	40	2	0.207	584	64
2360/43-37	275739/PR302114	Concrete	Alpha	34.5	40	2	0.076	584	35
		Concrete	Beta	1,061.1	40	2	0.195	584	69
2360/43-37	220242/PR124946	Concrete	Alpha	27.2	40	2	0.076	584	31
		Concrete	Beta	871.4	40	2	0.193	584	64
Alpha and Beta Smears (Section 3.4.6)									
2929/43-10-1	155577/PR157789	Smear	Alpha	0.1	10	1	0.33	100	12
		Smear	Beta	47.1	10	1	0.38	100	70

Table 4: Calculated Minimum Detectable Concentrations for Field Instrumentation (continued)

Notes:

- <sup>a</sup> Background count rate based on actual field measurements on concrete.
  - <sup>b</sup> Background count time and total number of background counts for the 2360/43-37 are based on 20 separate 2-minute counts in the reference background area, and for the 2929/43-10-1 are based on a daily 10-minute instrument background check.
  - <sup>c</sup> Total efficiency equals instrument efficiency times surface efficiency. The efficiencies provided were measured in the field.
- |                         |  |
|-------------------------|--|
| cm <sup>2</sup>         | square centimeter                                    |
| cpm                     | count per minute                                     |
| dpm/100 cm <sup>2</sup> | disintegration per minute per 100 square centimeters |
| MDC                     | minimum detectable concentration                     |
| min.                    | minute   |

Table 5: Reference Background Area Summary Statistics

Model No. (ratemeter/detector)	Serial No. (ratemeter/detector)	Nuclide Type	Matrix	Number of Measurements	Minimum (cpm)	Maximum (cpm)	Mean (cpm)	Standard Deviation	Static IL <sup>a</sup>
Alpha Beta Field Instrumentation									
2360/43-37	278586/PR178371	Alpha	Concrete	20	7.5	24.0	15.4	3.8	50 dpm/100 cm <sup>2</sup>
		Beta		20	729.0	799.5	760.8	19.5	500 dpm/100 cm <sup>2</sup>
		Alpha	Metal	20	3.0	7.5	4.9	1.4	50 dpm/100 cm <sup>2</sup>
		Beta		20	395.0	463.5	436.8	19.0	500 dpm/100 cm <sup>2</sup>
2360/43-37	215271/PR216985	Alpha	Concrete	20	16.0	32.0	23.1	3.6	50 dpm/100 cm <sup>2</sup>
		Beta		20	819.0	914.0	871.3	27.8	500 dpm/100 cm <sup>2</sup>
		Alpha	Metal	20	2.5	8.5	5.3	1.5	50 dpm/100 cm <sup>2</sup>
		Beta		20	388.5	457.0	416.5	14.4	500 dpm/100 cm <sup>2</sup>
2360/43-37	220263/PR216985	Alpha	Concrete	20	25.0	40.5	31.2	4.0	50 dpm/100 cm <sup>2</sup>
		Beta		20	1025.5	1131.0	1087.5	29.9	500 dpm/100 cm <sup>2</sup>
		Alpha	Metal	20	7.5	19.5	13.0	3.3	50 dpm/100 cm <sup>2</sup>
		Beta		20	675.5	758.5	721.9	20.8	500 dpm/100 cm <sup>2</sup>
2360/43-37	278604/PR190617	Alpha	Concrete	20	15.5	27.5	20.3	3.7	50 dpm/100 cm <sup>2</sup>
		Beta		20	919.0	1,020.5	975.9	29.9	500 dpm/100 cm <sup>2</sup>
		Alpha	Metal	20	1.0	6.5	3.5	1.4	50 dpm/100 cm <sup>2</sup>
		Beta		20	568.5	649.5	569.0	23.7	500 dpm/100 cm <sup>2</sup>
2360/43-37	245779/PR190618	Alpha	Concrete	20	16.0	30.0	21.2	3.3	50 dpm/100 cm <sup>2</sup>
		Beta		20	921.5	1056.5	995.2	34.7	500 dpm/100 cm <sup>2</sup>
		Alpha	Metal	20	2.0	8.0	4.1	1.3	50 dpm/100 cm <sup>2</sup>
		Beta		20	562.0	644.0	605.3	21.1	500 dpm/100 cm <sup>2</sup>
2360/43-37	275739/PR302114	Alpha	Concrete	20	21.5	44.5	34.5	5.4	50 dpm/100 cm <sup>2</sup>
		Beta		20	1019.5	1103	1061.1	26.4	500 dpm/100 cm <sup>2</sup>
		Alpha	Metal	20	7.5	15.5	10.6	2.1	50 dpm/100 cm <sup>2</sup>
		Beta		20	665.5	735.5	694.3	19.3	500 dpm/100 cm <sup>2</sup>
2360/43-37	220242/PR124946	Alpha	Concrete	20	22.0	33.0	27.2	3.3	50 dpm/100 cm <sup>2</sup>
		Beta		20	834.0	914.0	871.4	22.1	500 dpm/100 cm <sup>2</sup>
Gamma Instrumentation									
2221/44-20	176952/PR262403	Gamma	Concrete in Parcel C <sup>a</sup>	20	8,569	11,241	9,788	780	12,129
		Gamma	Metal	20	5,942	6,849	6,378	269	7,184
		Gamma	Concrete Outside SU 3	20	10,522	13,976	11,739	894	14,421 <sup>b</sup>

Notes:

<sup>a</sup> The static IL for alpha and beta activity is 50 percent of the lowest release criterion in Table 1, and for gamma is the mean of 20 static measurements in the reference background area plus three times the standard deviation.

<sup>b</sup> This was selected as the concrete reference background area for static gamma measurements due to its greater similarity to the concrete in SUs 4, 5, and 6.

dpm/100 cm<sup>2</sup>    disintegration per minute per 100 square centimeters  
cpm            count per minute  
IL              investigation level  
SU             survey unit

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Table 6: Gamma Static Summary Statistics

Model No. (ratemeter/detector)	Serial No. (ratemeter/detector)	Survey Unit	Number of Measurements	Minimum (cpm)	Maximum (cpm)	Mean (cpm)	Standard Deviation (cpm)	Static IL (cpm)	Exceedances of Gamma Static IL
2221/44-20	176952/PR262403	4	16	8,523	11,494	10,262	964	12,129	0
		5	37	8,333	11,856	9,851	783	12,129	0
		6	39	8,390	11,444	9,825	687	12,129	0

Notes:  
cpm                    count per minute  
IL                      investigation level



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Table 7: Alpha Beta Scan Summary Statistics

Survey Unit	Number of Measurements	Nuclide Type	Minimum (dpm/100 cm <sup>2</sup> )	Maximum (dpm/100 cm <sup>2</sup> )	Mean (dpm/100 cm <sup>2</sup> )	Median (dpm/100 cm <sup>2</sup> )	Standard Deviation (dpm/100 cm <sup>2</sup> )	Exceedances of Release Criteria <sup>a</sup>	Exceedances of Release Criteria and MDC <sup>b</sup>
Alpha and Beta Surface Scan—sequential six-second static counts (Section 3.4.4)									
4	32,721	Alpha	-69.4	330.9	15.1	-0.8	49.2	2,229	127
	32,721	Beta	-817.7	588.9	27.1	43.7	148.5	0	0
5	37,949	Alpha	-69.4	264.2	4.9	-3.0	43.9	1,286	72
	37,949	Beta	-759.2	576.1	45.8	43.7	119.0	0	0
6	16,793	Alpha	-69.4	267.3	1.3	-7.2	40.4	349	15
	16,793	Beta	-903.9	549.0	21.0	10.4	141.4	0	0

Notes:

<sup>a</sup> IL is defined as the most conservative (i.e., lowest) release criteria for alpha and beta activity provided in Table 1, which are 100 dpm/100 cm<sup>2</sup> and 1,000 dpm/100 cm<sup>2</sup>, respectively.

<sup>b</sup> This column represents measurements that exceeded both the release criteria and the instrument MDC listed in Table 4.

dpm/100 cm<sup>2</sup>     disintegration per minute per 100 square centimeters

IL                investigation level

MDC            minimum detectable concentration

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Table 8: Alpha Beta Systematic Static Summary Statistics

Survey Unit	Number of Measurements	Nuclide Type	Minimum (dpm/100 cm <sup>2</sup> )	Maximum (dpm/100 cm <sup>2</sup> )	Mean (dpm/100 cm <sup>2</sup> )	Median (dpm/100 cm <sup>2</sup> )	Standard Deviation (dpm/100 cm <sup>2</sup> )	Exceedances of IL <sup>a</sup>	Exceedances of Release Criteria <sup>b</sup>
Alpha and Beta Systematic (two-minute) Static Measurements (Section 3.4.5)									
4	54	Alpha	-32.7	10.1	-15.5	-18.8	12.0	0	0
	54	Beta	29.4	352	167	161	42.0	0	0
5	54	Alpha	-23.4	71.44	18.7	19.4	17.3	2	0
	54	Beta	-153	-12.7	-74.6	-72.7	32.7	0	0
6	61	Alpha	-33.0	52.6	5.30	6.64	20.2	1	0
	61	Beta	19.6	256	152	156	55.5	0	0

Notes:

- <sup>a</sup> IL is defined as 50 percent of the release criteria for alpha and beta activity.  
<sup>b</sup> Release criteria for alpha and beta activity are 100 dpm/100 cm<sup>2</sup> and 1,000 dpm/100 cm<sup>2</sup>, respectively.

dpm/100 cm<sup>2</sup>     disintegration per minute per 100 square centimeters  
IL                   investigation level

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Table 9: Alpha Beta Biased Static Summary Statistics

Survey Unit	Number of Measurements	Nuclide Type	Minimum (dpm/100 cm <sup>2</sup> )	Maximum (dpm/100 cm <sup>2</sup> )	Mean (dpm/100 cm <sup>2</sup> )	Median (dpm/100 cm <sup>2</sup> )	Standard Deviation (dpm/100 cm <sup>2</sup> )	Exceedances of IL <sup>a</sup>	Exceedances of Release Criteria <sup>b</sup>
Alpha and Beta Biased (two-minute) Static Measurements (Section 3.4.5)									
4	40	Alpha	-48.5	48.3	-4.02	-0.24	32.6	0	0
	40	Beta	-248	110	-60.3	-25.0	123	0	0
5	38	Alpha	-34.2	60.5	2.47	-0.71	27.9	2	0
	38	Beta	-124	49.3	-49.3	-53.9	40.8	0	0
6	33	Alpha	-50.6	28.6	-9.41	-3.32	22.2	0	0
	33	Beta	-315	853	106	40.2	320	5	0

Notes:

- <sup>a</sup> IL is defined as 50 percent of the release criteria for alpha and beta activity.  
<sup>b</sup> Release criteria for alpha and beta activity are 100 dpm/100 cm<sup>2</sup> and 1,000 dpm/100 cm<sup>2</sup>, respectively.

dpm/100 cm<sup>2</sup>     disintegration per minute per 100 square centimeters  
IL                   investigation level

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Table 10: Alpha Beta Systematic Smear Summary Statistics

Survey Unit	Number of Measurements	Nuclide Type	Minimum (dpm/100 cm <sup>2</sup> )	Maximum (dpm/100 cm <sup>2</sup> )	Mean (dpm/100 cm <sup>2</sup> )	Median (dpm/100 cm <sup>2</sup> )	Standard Deviation (dpm/100 cm <sup>2</sup> )	Exceedances of Release Criteria <sup>a</sup>
Alpha and Beta Systematic Smear Measurements (Section 3.4.6)								
4	54	Alpha	0.00	9.07	0.56	0.00	1.67	0
	54	Beta	-36.7	47.2	-1.50	-5.24	19.1	0
5	54	Alpha	0.00	3.02	0.45	0.00	1.08	0
	54	Beta	-42.5	12.6	-12.5	-11.0	14.3	0
6	61	Alpha	0.00	3.02	0.30	0.00	0.91	0
	61	Beta	-48.0	43.8	-1.20	-0.79	17.3	0

Notes:

<sup>a</sup> Release criteria for alpha and beta activity are 100 dpm/100 cm<sup>2</sup> and 1,000 dpm/100 cm<sup>2</sup>, respectively.

dpm/100 cm<sup>2</sup>     disintegration per minute per 100 square centimeters



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Table 11: Alpha Beta Biased Smear Summary Statistics

Survey Unit	Number of Measurements	Nuclide Type	Minimum (dpm/100 cm <sup>2</sup> )	Maximum (dpm/100 cm <sup>2</sup> )	Mean (dpm/100 cm <sup>2</sup> )	Median (dpm/100 cm <sup>2</sup> )	Standard Deviation (dpm/100 cm <sup>2</sup> )	Exceedances of Release Criteria <sup>a</sup>
Alpha and Beta Biased Smear Measurements (Section 3.4.6)								
4	40	Alpha	0.00	3.00	0.60	0.00	1.20	0
	40	Beta	-37.0	32.0	-2.50	-1.80	14.6	0
5	38	Alpha	0.00	3.00	0.30	0.00	0.90	0
	38	Beta	-28.8	34.1	-4.30	-5.50	17.6	0
6	20	Alpha	-0.30	5.74	0.15	-0.30	1.48	0
	20	Beta	-12.8	65.8	19.4	14.7	20.1	0

Notes:

<sup>a</sup> Release criteria for alpha and beta activity are 100 dpm/100 cm<sup>2</sup> and 1,000 dpm/100 cm<sup>2</sup>, respectively.

dpm/100 cm<sup>2</sup>     disintegration per minute per 100 square centimeters

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Table 12: Sample Summary Statistics

Sample ID	Survey Unit	Matrix	Sample Type <sup>a</sup>	<sup>137</sup> Cs			<sup>226</sup> Ra			<sup>239</sup> Pu/ <sup>240</sup> Pu			<sup>90</sup> Sr <sup>b</sup>		
				Result	Flag	MDL	Result	Flag	MDL	Result	Flag	MDL	Result	Flag	MDL
F-SU4-B04-S001	4	Concrete	Biased	-0.02	U	0.07	0.90		0.04	0.00	U	0.01	0.04	U	0.06
F-SU5-B05-S001	5	Concrete	Biased	-0.09	U	0.10	0.75		0.07	0.02		0.02	-0.05	U	0.06
F-SU5-B10-S001	5	Concrete	Biased	-0.05	U	0.06	0.31		0.21	0.00	U	0.02	-0.05	U	0.06
F-B01-S001	6	Concrete	Composite	0.05	U	0.07	0.42		0.07	-0.01	U	0.01	0.03	U	0.06
F-B01-S002	6	Concrete	Composite	0.01	U	0.07	0.73		0.10	0.00	U	0.01	0.03	U	0.07
Average				-0.02			0.62			0.00			0.00		
Median				-0.02			0.73			0.00			0.03		
Standard Deviation				0.06			0.25			0.01			0.05		
Maximum				0.05			0.90			0.02			0.04		
Minimum				-0.09			0.31			0.01			-0.05		

Notes:

<sup>a</sup> Sample type refers to whether the sample was collected at a systematic location or biased location.

<sup>b</sup> In accordance with the sampling and analysis plan (Appendix A to the *Final Revision 2, Radiological Scoping Surveys Work Plan, Parcel F Structures, Hunters Point Naval Shipyard, San Francisco, California* [Aptim Federal Services, LLC, 2019]), samples were analyzed for total beta strontium.

<sup>90</sup> Sr	strontium-90
<sup>137</sup> Cs	cesium-137
<sup>226</sup> Ra	radium-226
<sup>239</sup> Pu	plutonium-239
<sup>240</sup> Pu	plutonium-240
MDL	minimum detection limit
U	analyte not detected at or above the MDL

References:

Aptim Federal Services, LLC, 2019, *Final Revision 2, Radiological Scoping Surveys Work Plan, Parcel F Structures, Hunters Point Naval Shipyard, San Francisco, California*, May.

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# **APPENDIX A RESPONSES TO COMMENTS (RESERVED)**

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## **APPENDIX B**

### **APPROVED FIELD CHANGE REQUESTS**


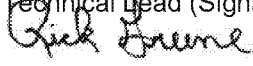




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## FIELD CHANGE REQUEST FORM

<b>Contract No.:</b> N62473-17-D-0006	<b>CTO No.:</b> N6247317F4550	<b>Field Change Request Form No.:</b> 003
<b>Location:</b> Parcel F, Hunters Point Naval Shipyard		<b>Date:</b> August 26, 2019
<b>Document Title:</b> Final Revision 2, Radiological Scoping Surveys Work Plan, Parcel F Structures, Hunters Point Naval Shipyard, San Francisco, California, May 2019, DCN: APTM-0006-4550-0025.R2/F		<b>NIRIS Document #:</b> N/A
<b>RE:</b> Drawing No.: <u>Not Applicable</u> Title _____ Specification Section <u>Not Applicable</u> Title _____ Other _____		
<b>Description</b> (items involved, submit sketch, if applicable)  This field change request revises Work Plan Sections 5.5 and 5.4.5. The revisions clarify field work procedures and provide consistency throughout the document.		
<b>Reason for Change</b>  Work Plan Section 5.5 is revised to be consistent with the original intent for APTIM's subcontractor to use their procedures when operating their instruments. The need for the clarification arose following a third-party quality assurance (QA) surveillance on August 19, 2019. Per the Work Plan, the Navy's third-party QA contractor expected APTIM's subcontractor to follow APTIM's procedure to conduct functional testing on their RS-700 equipment. This FCR corrects the Work Plan to be consistent with field procedures.  Work Plan Section 5.4.5 is revised to be consistent with Work Plan Section 5.3.3, which correctly states the investigation levels (ILs) for each instrument (i.e., RS-700 system and the 3-inch by 3-inch sodium iodide [NaI] detector) will be established as the mean of the survey data plus three standard deviations.		
<b>Recommended Disposition</b> (submit sketch, if applicable)  Section 5.5, Survey Instrumentation, second paragraph is revised as follows (revisions are underlined):  "APTIM operational procedures included in the RPP <u>or equivalent subcontractor procedures, reviewed and approved by APTIM,</u> will be used for all field instruments to verify the equipment is operating properly and used correctly in the field to produce accurate and reliable data."  Section 5.4.5, Step Five—Develop a Decision Rule, first bullet is revised to be consistent with Section 5.3.3 as follows (revisions are underlined): <ul style="list-style-type: none"> <li>• "The IL for gamma scan measurements is <u>the mean of the survey data</u> plus three standard deviations."</li> </ul>		

## FIELD CHANGE REQUEST FORM

<b>Contract No.:</b> N62473-17-D-0006		<b>CTO No.:</b> N6247317F4550		<b>Field Change Request Form No.:</b> 001	
<b>Additional Details</b> None					
Will this change result in a contract cost or time change? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Estimate of contract cost or time charge (if any) _____					
Preparer (signature) 	Date 8/26/19	Preparer's Title Project Manager	Technical Lead (Signature) 	Date 8/26/19	
Disposition <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not approved (give reason): _____					
Engineer (signature) (if engineering related) N/A		Date	Project Manager (signature) 		Date 8/26/19
<input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments			<input type="checkbox"/> Comments (attached) <input checked="" type="checkbox"/> No Comments		
Navy RASO (signature) N/A		Date	QC Manager (signature) 		Date 8/26/19
<input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments					
Navy RPM (signature) <b>HOWARD.LESLIE.</b> <b>ANN.1512764165</b> <small>Digitally signed by HOWARD.LESLIE.ANN.1512764165  Date: 2019.10.01 06:03:50 -07'00'</small>		Date	NAVFAC SW QAO (signature) N/A		Date
<input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments			<input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments		

Attachments:  
N/A

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## FIELD CHANGE REQUEST FORM

<b>Contract No.:</b> N62473-17-D-0006	<b>CTO No.:</b> N6247317F4550	<b>Field Change Request Form No.:</b> 004
<b>Location:</b> Parcel F, Hunters Point Naval Shipyard		<b>Date:</b> September 26, 2019
<b>Document Title:</b> Final Revision 2, Radiological Scoping Surveys Work Plan, Parcel F Structures, Hunters Point Naval Shipyard, San Francisco, California, May 2019, DCN: APTM-0006-4550-0025.R2/F		<b>NIRIS Document #:</b> N/A
<b>RE:</b> Drawing No.: <u>Not Applicable</u> Title _____ Specification Section <u>Not Applicable</u> Title _____ Other _____		
<b>Description</b> (items involved, submit sketch, if applicable) This field change request revises Work Plan Section 5.3.2. The revision includes additional methods to determine appropriate concrete reference background areas.		
<b>Reason for Change</b> <p>The Final Revision 2 Work Plan states reference data will be collected in similar matrix (i.e., concrete pad) and if needed, additional reference areas may be established with the approval of the Navy. A Navy-approved concrete reference area located on Parcel C was initially used as the concrete reference area; however, data collected to date have shown that this reference area is not appropriate for the Finger Piers.</p> <p>The background reference area is a geographical area from which representative radioactivity measurements are performed for comparison with measurements performed in an impacted area. According to MARSSIM, a site background area should have similar physical, chemical, geological, radiological, and biological characteristics as the survey unit being evaluated, but has not been identified as impacted. The Conceptual Site Model (CSM) for the Finger Piers is based on potentially radiologically contaminated ships coming into contact with the Finger Piers by berthing along the piers. Widespread radiological contamination is not included in the CSM and is not expected. Finger Pier alpha/beta scan results to date are not consistent with the CSM and indicate the current background reference area is not appropriate. Therefore, the recommended action is to scarify/scabble a selected portion of the Finger Pier for use as the Figure Pier reference background area. Based on the CSM, any potential radiological contamination is on the surface of the piers, and scabbling the top surface will create a non-impacted underlying surface with the same concrete characteristics.</p>		

## FIELD CHANGE REQUEST FORM

<b>Contract No.:</b> N62473-17-D-0006	<b>CTO No.:</b> N6247317F4550	<b>Field Change Request Form No.:</b> 004	
<b>Recommended Disposition</b> (submit sketch, if applicable)  Section 5.3.2, Concrete Background Areas, is revised to include the following paragraph:  "If an appropriate concrete background reference area cannot be located at HPNS, a section of the pier surface will be scabbled to create a new, non-impacted surface of similar material. The surface will be scabbled to approximately ½ to ¾-inch below the current surface. Scans, statics and concrete laboratory samples will be collected before and after scabbling and the information will be provided in the report."			
<b>Additional Details</b>  None			
Will this change result in a contract cost or time change? <span style="margin-left: 100px;"><input type="checkbox"/> Yes</span> <span style="margin-left: 50px;"><input checked="" type="checkbox"/> No</span> Estimate of contract cost or time charge (if any) _____			
Preparer (signature) 	Date 9/26/19	Preparer's Title Project Manager	Technical Lead (Signature)  Date 9/26/19
Disposition <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not approved (give reason): _____			
Engineer (signature) (if engineering related) N/A  <input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments	Date	Project Manager (signature)  <input type="checkbox"/> Comments (attached) <input checked="" type="checkbox"/> No Comments	Date 9/26/19
Navy RASO (signature) N/A  <input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments	Date	QC Manager (signature)  <input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments	Date 9/26/19
Navy RPM (signature) <b>HOWARD.LESLIE.ANN.1512764165</b> N.1512764165 <small>Digitally signed by HOWARD.LESLIE.ANN.1512764165 Date: 2019.10.01 06:03:00 -07'00'</small> <input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments	Date	NAVFAC SW QAO (signature) N/A  <input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments	Date

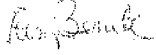
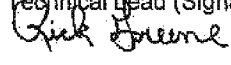
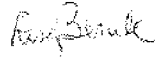
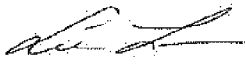
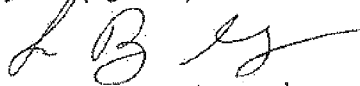
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## FIELD CHANGE REQUEST FORM

<b>Contract No.:</b> N62473-17-D-0006	<b>CTO No.:</b> N6247317F4550	<b>Field Change Request Form No.:</b> 006
<b>Location:</b> Parcel F, Hunters Point Naval Shipyard		<b>Date:</b> November 12, 2019
<b>Document Title:</b> Final Revision 2, Radiological Scoping Surveys Work Plan, Parcel F Structures, Hunters Point Naval Shipyard, San Francisco, California, May 2019, DCN: APTM-0006-4550-0025.R2/F		<b>NIRIS Document #:</b> N/A
<b>RE: Drawing No.:</b> <u>Not Applicable</u> <b>Title</b> _____ <b>Specification Section</b> <u>Not Applicable</u> <b>Title</b> _____ <b>Other</b> _____		
<b>Description</b> (items involved, submit sketch, if applicable) <p>This field change request revises Work Plan Sections 5.5.2 and 5.6. The revision includes additional methods to assess follow-up locations via gamma spectral analysis.</p>		
<b>Reason for Change</b> <p>The Final Revision 2 Work Plan states that the RS-700 may be used to assess follow-up locations, using a 1-minute or greater static count and spectral analysis to compare the activity at a specific point to background. There are several locations that require follow-up gamma static measurements after the gamma scans exceeded the scan investigation level. Some of these gamma static measurements also exceed the gamma static investigation level, and, therefore, require further investigation. Sections 5.5.2 and 5.6 of the Work Plan state that the RS-700 may be used. Some of the locations are located on vertical walls and are not accessible to the RS-700. Therefore, the Work Plan is revised to also allow these static count and spectral analysis to be performed with a NaI Spectrometer, specifically a Canberra Inspector 1000, or equivalent. This instrument is already listed as an instrument in Table 4 of the Work Plan.</p>		
<b>Recommended Disposition</b> (submit sketch, if applicable) <p>Section 5.5.2, Gamma Instrumentation, third paragraph, is revised as follows (revisions are underlined):</p> <p>"The RS-700, <u>or equivalent detector (i.e., Canberra Inspector 1000)</u>, may also be used to assess follow-up locations, using a 1-minute or greater static count and spectral analysis to compare the activity at a specific point to background. In this case, the net spectrum will be plotted and the critical levels assessed for ROC-specific energy ranges to determine if there is any activity present above background. Critical levels, as defined in the MARSSIM Section 6.7.1, represent thresholds above which net counts are statistically greater than background (EPA et al., 2000). If static measurements <u>collected using the RS-700 or equivalent detector</u> identify any elevated locations, biased samples may be collected.</p> <p>Section 5.6, Gamma Instrumentation, fifth paragraph, is revised as follows (revisions are underlined):</p> <p>"The RS-700, <u>or equivalent detector (i.e., Canberra Inspector 1000)</u>, may also be used to assess follow-up locations, using a 1-minute or greater static count and spectral analysis to compare the activity at a specific point to background. In this case, the net spectrum will be plotted and the critical levels assessed for ROC-specific energy ranges to determine if there is any activity present above background. Critical levels, as defined in the MARSSIM Section 6.7.1, represent thresholds above which net counts are</p>		

## FIELD CHANGE REQUEST FORM

<b>Contract No.:</b> N62473-17-D-0006		<b>CTO No.:</b> N6247317F4550		<b>Field Change Request Form No.:</b> 006	
statistically greater than background (EPA et al., 2000). If static measurements <u>collected using the RS-700 or equivalent detector</u> identify any elevated locations, biased samples may be collected.					
<b>Additional Details</b> None					
Will this change result in a contract cost or time change? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Estimate of contract cost or time charge (if any)					
Preparer (signature) 		Date 11/12/19	Preparer's Title Project Manager		Technical Lead (Signature) 
					Date 11/22/19
<b>Disposition</b> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Not approved (give reason): _____					
Engineer (signature) (if engineering related) N/A		Date	Project Manager (signature) 		Date 11/12/19
<input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments			<input type="checkbox"/> Comments (attached) <input checked="" type="checkbox"/> No Comments		
Navy RASO (signature) N/A		Date	QC Manager (signature) 		Date 11/12/19
<input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments			<input type="checkbox"/> Comments (attached) <input checked="" type="checkbox"/> No Comments		
Navy RPM (signature) 		Date	NAVFAC SW QAO (signature) N/A		Date
<input type="checkbox"/> Comments (attached) <input checked="" type="checkbox"/> No Comments			<input type="checkbox"/> Comments (attached) <input type="checkbox"/> No Comments		

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## **APPENDIX C PHOTOGRAPH LOG**



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## Photograph Log

Appendix C



**Photograph 1: Performing gamma scans surveys in Survey Unit (SU): 6—August 15, 2019**



**Photograph 2: Workers clearing a pathway to the finger piers—August 15, 2019**

## Photograph Log

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**Photograph 3: Condition of SU-6 at the beginning of work activities—August 15, 2019**



**Photograph 4: Condition of SU-6 at the beginning of work activities—August 15, 2019**

## Photograph Log

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**Photograph 5: Performing Alpha/beta Surveys in SU-6—August 19, 2019**



**Photograph 6: Covered open holes with plywood—August 19, 2019**

## Photograph Log

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**Photograph 7: Gamma scans on the finger piers of SU-6—August 19, 2019**



**Photograph 8: Conducting alpha/beta scans of SU-6—August 20, 2019**

## Photograph Log

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**Photograph 9: Walking SU-4, 5, and 6 with GPS unit—August 20, 2019**



**Photograph 10: Alpha/beta scanning of SU-6—August 21, 2019**



## Photograph Log

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**Photograph 11: Marking out systematic sample locations and collecting smears—August 21, 2019**



**Photograph 12: Alpha/beta scanning of SU-6—August 22, 2019**

## Photograph Log

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**Photograph 13: Collecting static measurements at systematic locations in SU-6—August 22, 2019**



**Photograph 14: SU-5 cleared of debris—August 22, 2019**



## Photograph Log

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**Photograph 15: Alpha/beta surveys—August 26, 2019**



**Photograph 16: Covered open holes with plywood on SU-5—August 27, 2019**

## Photograph Log

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**Photograph 17: Covered open holes with plywood on SU-5—August 27, 2019**



**Photograph 18: Collecting static measurements at systematic locations in SU-5—August 27, 2019**

## Photograph Log

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**Photograph 19: Collecting static measurements at systematic locations in SU-5—August 27, 2019**



**Photograph 20: Conducting alpha/beta surveys of SU-5—August 28, 2019**

## Photograph Log

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**Photograph 21: Conducting alpha/beta surveys of SU-5—August 28, 2019**



**Photograph 22: Water rescue equipment staged near workers on SU-5—August 29, 2019**

## Photograph Log

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**Photograph 23: Conducting alpha/beta surveys of SU-5—August 30, 2019**



**Photograph 24: Conducting alpha/beta surveys of SU-5—September 03, 2019**



## Photograph Log

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**Photograph 25: Gamma scans of SU-5—September 03, 2019**



**Photograph 26: Conducting alpha/beta surveys of SU-5—September 4, 2019**

## Photograph Log

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**Photograph 27: Cleaning SU-5 to conduct surveys—September 4, 2019**



**Photograph 28: Pre-existing condition of SU-4—September 5, 2019**

## Photograph Log

Appendix C



**Photograph 29: Preexisting condition of SU-4—September 5, 2019**



**Photograph 30: Pre-existing condition of SU-4—September 5, 2019**



## Photograph Log

Appendix C



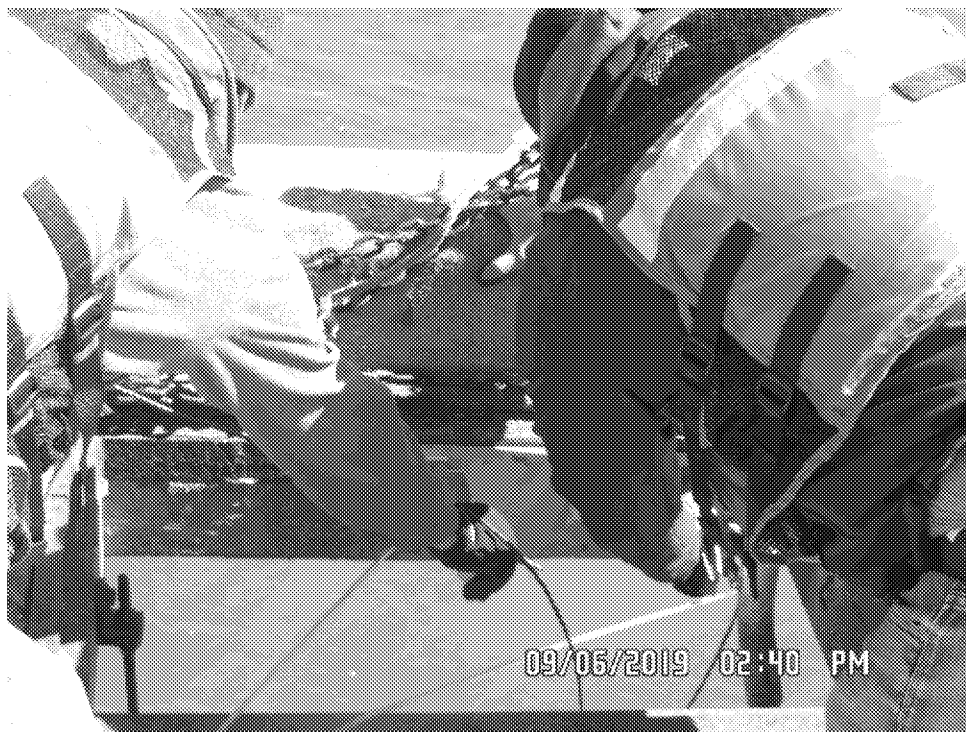
**Photograph 31: Condition of SU-4 at the beginning of work activities—September 5, 2019**



**Photograph 32: Alpha/beta scans of SU-5—September 6, 2019**

## Photograph Log

Appendix C



**Photograph 33: Alpha/beta surveys of accessible grates of SU-6—September 6, 2019**



**Photograph 34: Alpha/beta surveys of accessible grates of SU-6—September 6, 2019**

## Photograph Log

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**Photograph 35: Alpha/beta scans of SU-5—September 9, 2019**



**Photograph 36: Alpha/beta scans of SU-5—September 9, 2019**

## Photograph Log

Appendix C



**Photograph 37: Alpha/beta surveys of accessible grates in SU-6—September 9, 2019**



**Photograph 38: Alpha/beta surveys of accessible grates in SU-6—September 9, 2019**

## Photograph Log

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**Photograph 39: Systematic location in SU-4—September 10, 2019**



**Photograph 40: Alpha/beta scans of SU-5—September 10, 2019**



## Photograph Log

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**Photograph 41: Alpha/beta surveys of accessible grates on SU-5—September 10, 2019**



**Photograph 42: Alpha/beta surveys of accessible grates on SU-5—September 10, 2019**

## Photograph Log

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**Photograph 43: Alpha/beta scans of SU-5—September 11, 2019**



**Photograph 44: Alpha/beta scans of accessible grates and manholes in SU-5—September 11, 2019**

## Photograph Log

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**Photograph 45: Alpha/beta scans of accessible grates and manholes in SU-5—September 11, 2019**



**Photograph 46: Alpha/beta surveys of SU-5—September 12, 2019**



## Photograph Log

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**Photograph 47: Gamma walkover survey of SU-4—September 12, 2019**



**Photograph 48: Alpha/beta surveys of SU-5—September 13, 2019**

## Photograph Log

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**Photograph 49: Emergency water rescue equipment staged near workers—September 13, 2019**



**Photograph 50: Alpha/beta surveys of SU-5—September 16, 2019**

## Photograph Log

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**Photograph 51: Covered open holes on the finger piers—September 17, 2019**



**Photograph 52: Alpha/beta surveys of SU-5—September 17, 2019**

## Photograph Log

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**Photograph 53: Water rescue equipment staged on SU-5—September 18, 2019**



**Photograph 54: Alpha/beta surveys of SU-5—September 18, 2019**

## Photograph Log

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**Photograph 55: Static measurements on SU-4—September 19, 2019**



**Photograph 56: Alpha/beta surveys of SU-4 accessible grate areas—September 20, 2019**



## Photograph Log

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**Photograph 57: Alpha/beta surveys of SU-5—September 20, 2019**



**Photograph 58: Alpha/beta surveys of SU-4—September 23, 2019**

## Photograph Log

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**Photograph 59: Opening manhole on SU-4—September 24, 2019**



**Photograph 60: Static measurement of manhole in SU-4—September 24, 2019**

## Photograph Log

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**Photograph 61: Alpha/beta scans of SU-5—September 25, 2019**

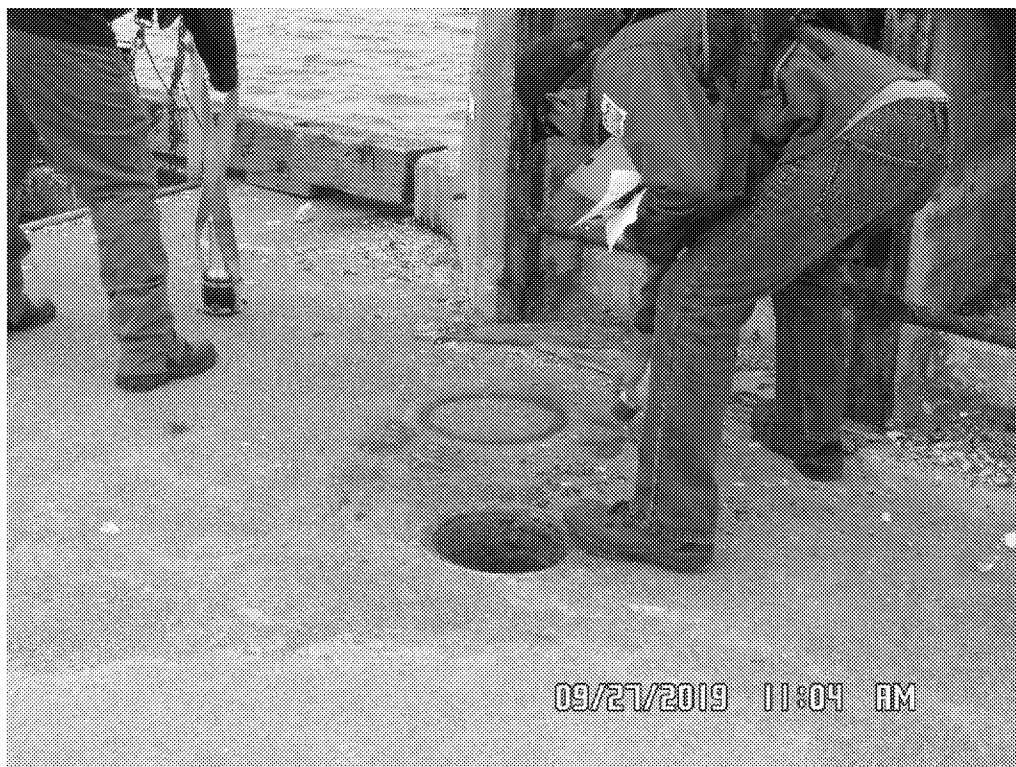


**Photograph 62: Alpha/beta scanning of SU-4—September 26, 2019**

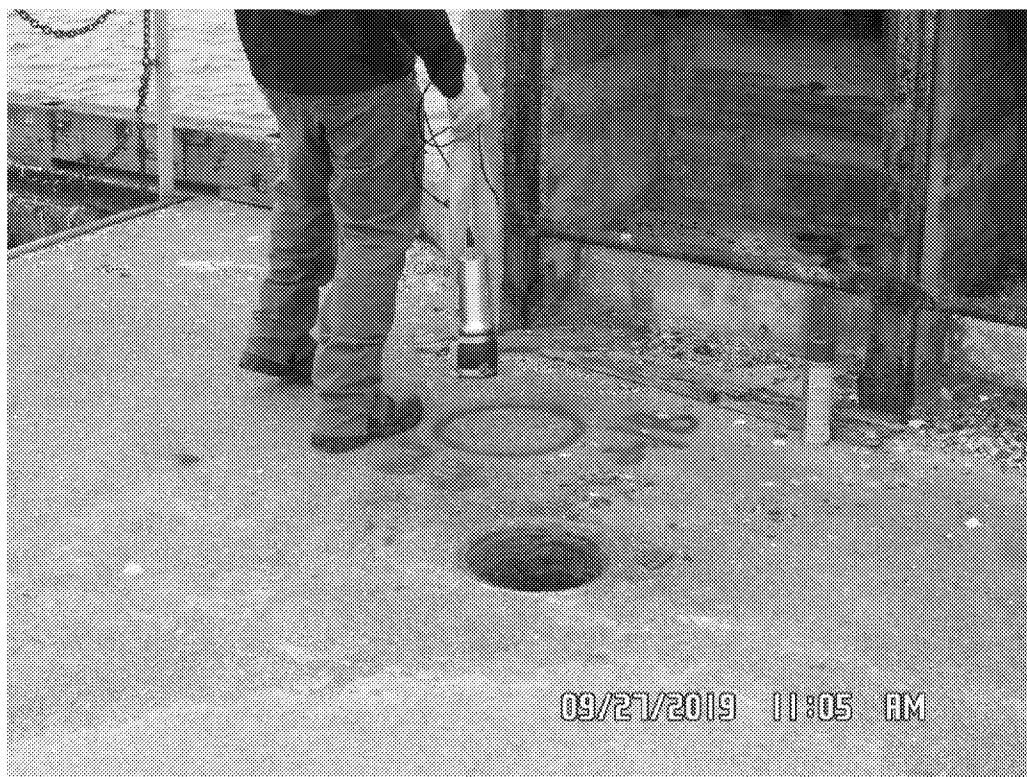


## Photograph Log

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**Photograph 63: Collecting gamma statics in SU-5—September 27, 2019**



**Photograph 64: Collecting gamma statics in SU-5—September 27, 2019**

## Photograph Log

Appendix C



**Photograph 65: Alpha/beta scanning of SU-4—September 27, 2019**



**Photograph 66: Alpha/beta scanning on accessible grates in SU-4—September 30, 2019**

## Photograph Log

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**Photograph 67: Alpha/beta scanning on accessible grates in SU-4—September 30, 2019**



**Photograph 68: Alpha/beta scanning of SU-4—September 30, 2019**

## Photograph Log

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**Photograph 69: Alpha/beta scanning—October 1, 2019**



**Photograph 70: Scabbling concrete surface on SU-6—October 2, 2019**

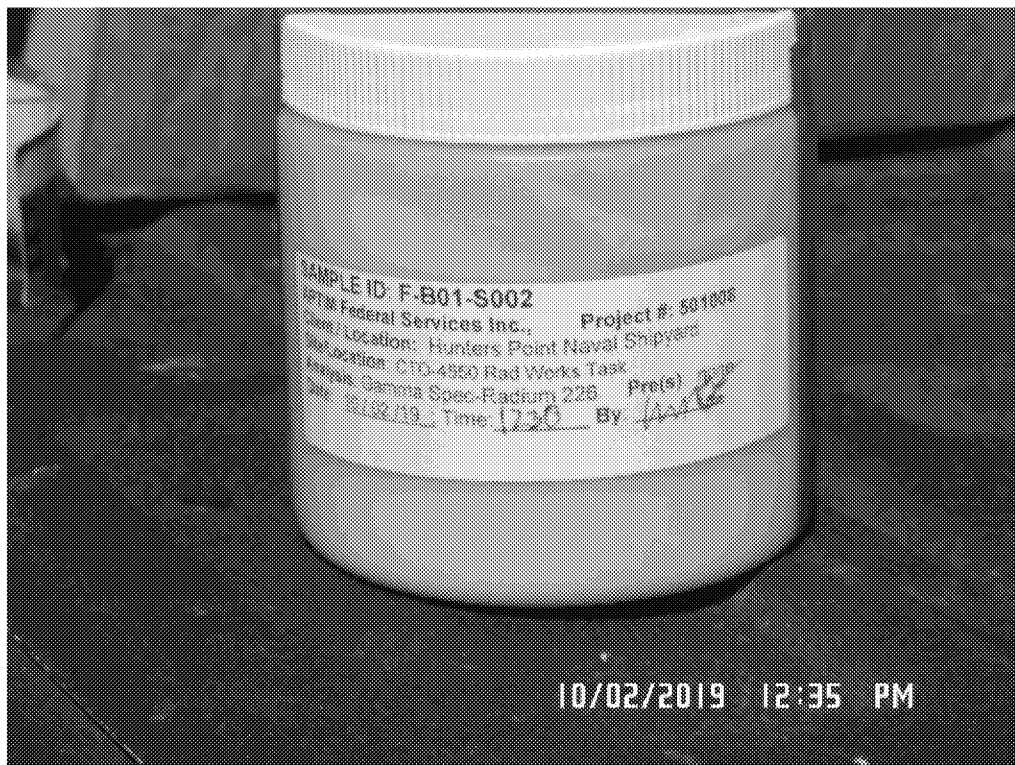


## Photograph Log

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Photograph 71: Scrabbling concrete surface on SU-6—October 2, 2019



Photograph 72: Concrete sample collected from SU-6—October 2, 2019

## Photograph Log

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**Photograph 73: Alpha/beta scans of SU-4—October 4, 2019**



**Photograph 74: Alpha/beta scans of SU-4—October 17, 2019**

## Photograph Log

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**Photograph 75: Alpha/beta scans of SU-4—October 17, 2019**



**Photograph 76: Air monitoring during concrete sampling—October 24, 2019**

## Photograph Log

Appendix C



**Photograph 77: Concrete sampling of SU-5—October 24, 2019**



**Photograph 78: Concrete sampling of SU-5—October 24, 2019**

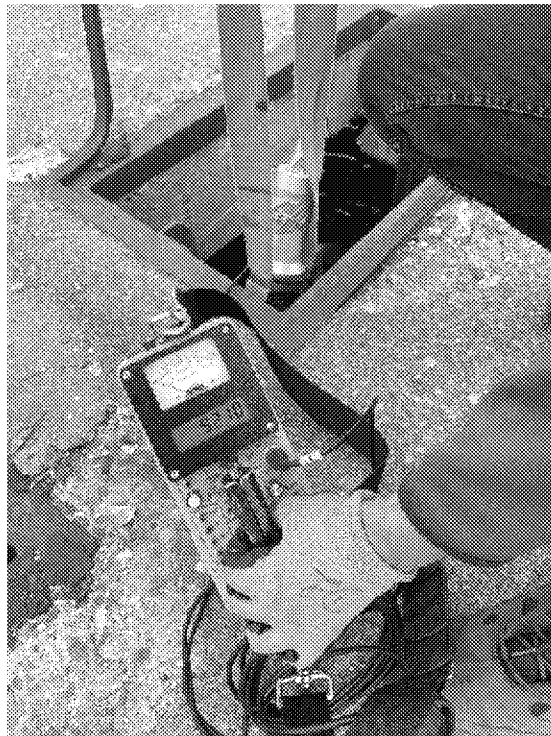


## Photograph Log

Appendix C



**Photograph 79: Gamma static survey of SU-5—November 14, 2019**



**Photograph 80: Gamma static survey of SU-5—November 14, 2019**

## Photograph Log

Appendix C



**Photograph 81: Preparing to perform follow-up scans on SU-6—March 10, 2020**



**Photograph 82: Plywood and sandbag coverings visible over holes on SU-4—March 10, 2020**

## Photograph Log

Appendix C



**Photograph 83: Setting up equipment to perform follow-up scans on SU-4 (manholes were not entered)—March 11, 2020**

## **APPENDIX D**

### **REFERENCE BACKGROUND AREA DATA**

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# ALPHA-BETA REFERENCE AREA BACKGROUND DATA

Meter/Probe ID	M2
Meter/Probe SN	2360 SN278586/ 43-37 PR178371
Active Area (cm <sup>2</sup> )	584
Count Time (sec)	120

Measurement Sequence #	Concrete		Metal	
	Alpha Ct.	Beta Ct.	Alpha Ct.	Beta Ct.
1	48	1529	9	815
2	15	1585	11	839
3	29	1511	6	898
4	25	1515	7	830
5	26	1560	7	790
6	31	1512	13	873
7	30	1549	10	894
8	34	1470	10	817
9	39	1502	8	895
10	40	1505	14	873
11	24	1497	6	909
12	26	1482	8	895
13	33	1549	9	927
14	33	1508	15	897
15	31	1458	7	916
16	24	1486	9	901
17	26	1575	12	874
18	28	1599	9	867
19	30	1490	11	856
20	44	1549	14	907
Summary Statistics (in counts per minute [cpm])				
# of Measurements	20	20	20	20
Minimum	7.5	729	3	395
Maximum	24	799.5	7.5	463.5
Mean	15.4	760.8	4.9	436.8
Median	15.0	755.8	4.5	442.0
Stand. Dev.	3.8	19.5	1.4	19.0

Summary Statistics (in disintegrations per minute per 100 square centimeters [dpm/100 cm <sup>2</sup> ])				
# of Measurements	20	20	20	20
Minimum	19.2	657.0	7.7	356.0
Maximum	61.3	720.5	19.2	417.7
Mean	39.4	685.6	12.5	393.7
Median	38.3	681.1	11.5	398.3
Stand. Dev.	9.7	17.6	3.5	17.1

# ALPHA-BETA REFERENCE AREA BACKGROUND DATA

Meter/Probe ID	M3
Meter/Probe SN	2360 SN215271/ 43-37 PR216985
Active Area (cm <sup>2</sup> )	584
Count Time (sec)	120

Measurement Sequence #	Concrete		Metal	
	Alpha Ct.	Beta Ct.	Alpha Ct.	Beta Ct.
1	47	1758	5	805
2	38	1727	13	824
3	43	1710	13	827
4	48	1664	17	860
5	55	1754	8	830
6	32	1735	10	843
7	39	1816	9	777
8	47	1676	10	914
9	35	1653	14	816
10	46	1638	11	836
11	47	1717	15	803
12	47	1772	7	798
13	49	1747	10	845
14	64	1747	7	850
15	51	1828	7	837
16	49	1816	8	860
17	43	1747	13	828
18	43	1739	12	839
19	55	1794	10	816
20	47	1813	11	852
Summary Statistics (in counts per minute [cpm])				
# of Measurements	20	20	20	20
Minimum	16	819	2.5	388.5
Maximum	32	914	8.5	457
Mean	23.1	871.3	5.3	416.5
Median	23.5	873.5	5.0	416.5
Stand. Dev.	3.6	27.8	1.5	14.4

Summary Statistics (in disintegrations per minute per 100 square centimeters [dpm/100 cm <sup>2</sup> ])				
# of Measurements	20	20	20	20
Minimum	37.0	730.4	5.8	346.5
Maximum	74.0	815.1	19.7	407.6
Mean	53.5	777.0	12.1	371.5
Median	54.4	779.0	11.6	371.5
Stand. Dev.	8.4	24.8	3.6	12.8

# ALPHA-BETA REFERENCE AREA BACKGROUND DATA

Meter/Probe ID	M5
Meter/Probe SN	2360 SN220263/ 43-37 PR216985
Active Area (cm <sup>2</sup> )	584
Count Time (sec)	120

Measurement Sequence #	Concrete		Metal	
	Alpha Ct.	Beta Ct.	Alpha Ct.	Beta Ct.
1	62	2191	39	1517
2	65	2134	31	1490
3	61	2182	30	1463
4	50	2184	24	1407
5	68	2152	37	1475
6	58	2241	31	1466
7	70	2212	19	1427
8	53	2090	32	1442
9	81	2169	36	1433
10	60	2139	21	1411
11	69	2262	23	1490
12	65	2227	23	1380
13	51	2172	25	1403
14	65	2254	25	1480
15	62	2174	15	1351
16	67	2184	18	1426
17	52	2051	26	1473
18	52	2051	23	1443
19	67	2201	24	1479
20	70	2228	18	1418
Summary Statistics (in counts per minute [cpm])				
# of Measurements	20	20	20	20
Minimum	25	1025.5	7.5	675.5
Maximum	40.5	1131	19.5	758.5
Mean	31.2	1087.5	13.0	721.9
Median	31.8	1091.5	12.3	721.3
Stand. Dev.	4.0	29.9	3.3	20.8

Summary Statistics (in disintegrations per minute per 100 square centimeters [dpm/100 cm <sup>2</sup> ])				
# of Measurements	20	20	20	20
Minimum	55.6	852.4	16.7	561.5
Maximum	90.1	940.1	43.4	630.5
Mean	69.4	903.9	28.9	600.0
Median	70.6	907.3	27.2	599.5
Stand. Dev.	8.9	24.8	7.4	17.3



# ALPHA-BETA REFERENCE AREA BACKGROUND DATA

Meter/Probe ID	M6
Meter/Probe SN	2360 SN278604/ 43-37 PR190617
Active Area (cm <sup>2</sup> )	584
Count Time (sec)	120

Measurement Sequence #	Concrete		Metal	
	Alpha Ct.	Beta Ct.	Alpha Ct.	Beta Ct.
1	49	1999	11	1299
2	31	1873	6	1262
3	39	1866	8	1204
4	48	1954	8	1288
5	34	1902	7	1224
6	46	2026	7	1193
7	33	1954	7	1204
8	31	1889	6	1211
9	38	2041	10	1201
10	40	2008	8	1174
11	37	1838	10	1137
12	49	1924	13	1195
13	55	1988	5	1145
14	43	1976	4	1162
15	36	1973	2	1143
16	37	2032	3	1156
17	36	1920	8	1165
18	35	1955	9	1140
19	41	2011	4	1151
20	54	1908	4	1184
Summary Statistics (in counts per minute [cpm])				
# of Measurements	20	20	20	20
Minimum	15.5	919	1	568.5
Maximum	27.5	1020.5	6.5	649.5
Mean	20.3	975.9	3.5	596.0
Median	19.3	977.3	3.5	594.3
Stand. Dev.	3.7	29.9	1.4	23.7

Summary Statistics (in disintegrations per minute per 100 square centimeters [dpm/100 cm <sup>2</sup> ])				
# of Measurements	20	20	20	20
Minimum	39.6	802.9	2.6	496.7
Maximum	70.3	891.5	16.6	567.4
Mean	51.9	852.6	8.9	520.6
Median	49.2	853.8	8.9	519.2
Stand. Dev.	9.3	26.1	3.6	20.7

# ALPHA-BETA REFERENCE AREA BACKGROUND DATA

Meter/Probe ID	M7
Meter/Probe SN	2360 SN245779/ 43-37 PR190618
Active Area (cm <sup>2</sup> )	584
Count Time (sec)	120

Measurement Sequence #	Concrete		Metal	
	Alpha Ct.	Beta Ct.	Alpha Ct.	Beta Ct.
1	35	1843	16	1286
2	40	1904	8	1252
3	40	2019	9	1288
4	46	1943	4	1217
5	39	1911	9	1265
6	40	1978	7	1242
7	32	2056	5	1199
8	38	1947	9	1167
9	42	2004	8	1201
10	44	1933	8	1194
11	45	2038	10	1224
12	52	1963	10	1180
13	49	2013	7	1233
14	49	2020	4	1173
15	43	1938	11	1124
16	40	2113	9	1219
17	41	2084	8	1171
18	60	2037	6	1216
19	40	2090	7	1186
20	32	1974	7	1175
Summary Statistics (in counts per minute [cpm])				
# of Measurements	20	20	20	20
Minimum	16	921.5	2	562
Maximum	30	1056.5	8	644
Mean	21.2	995.2	4.1	605.3
Median	20.3	995.5	4.0	604.3
Stand. Dev.	3.3	34.7	1.3	21.1

Summary Statistics (in disintegrations per minute per 100 square centimeters [dpm/100 cm <sup>2</sup> ])				
# of Measurements	20	20	20	20
Minimum	41.5	762.3	5.2	464.9
Maximum	77.8	873.9	20.8	532.7
Mean	54.9	823.2	10.5	500.7
Median	52.5	823.5	10.4	499.8
Stand. Dev.	8.6	28.7	3.4	17.5

# ALPHA-BETA REFERENCE AREA BACKGROUND DATA

Meter/Probe ID	M8
Meter/Probe SN	2360 SN275739/ 43-37 PR302114
Active Area (cm <sup>2</sup> )	584
Count Time (sec)	120

Measurement Sequence #	Concrete		Metal	
	Alpha Ct.	Beta Ct.	Alpha Ct.	Beta Ct.
1	72	2064	22	1376
2	62	2100	19	1331
3	70	2107	28	1342
4	43	2061	20	1470
5	64	2089	21	1384
6	65	2129	15	1435
7	81	2039	24	1417
8	77	2089	16	1389
9	68	2096	16	1387
10	65	2129	17	1396
11	84	2145	25	1383
12	78	2099	23	1471
13	89	2101	18	1416
14	62	2181	25	1389
15	51	2199	20	1338
16	63	2174	20	1364
17	68	2206	16	1395
18	75	2188	23	1355
19	66	2195	31	1356
20	75	2051	24	1379

## Summary Statistics (in counts per minute [cpm])

# of Measurements	20	20	20	20
Minimum	21.5	1019.5	7.5	665.5
Maximum	44.5	1103	15.5	735.5
Mean	34.5	1061.1	10.6	694.3
Median	34.0	1052.0	10.3	692.8
Stand. Dev.	5.4	26.4	2.1	19.3

## Summary Statistics (in disintegrations per minute per 100 square centimeters [dpm/100 cm<sup>2</sup>])

# of Measurements	20	20	20	20
Minimum	48.4	895.2	16.9	584.4
Maximum	100.3	968.6	34.9	645.9
Mean	77.6	931.7	23.8	609.7
Median	76.6	923.8	23.1	608.3
Stand. Dev.	12.1	23.2	4.8	17.0

# ALPHA-BETA REFERENCE AREA BACKGROUND DATA

Meter/Probe ID	M9
Meter/Probe SN	2360 SN220242/ 43-37 PR124946
Active Area (cm <sup>2</sup> )	584
Count Time (sec)	120

Measurement Sequence #	Concrete	
	Alpha Ct.	Beta Ct.
1	61	1746
2	58	1739
3	51	1668
4	51	1782
5	50	1717
6	46	1695
7	52	1828
8	50	1751
9	46	1817
10	52	1698
11	57	1763
12	47	1717
13	63	1771
14	66	1792
15	59	1777
16	64	1765
17	62	1710
18	52	1736
19	44	1688
20	57	1697
Summary Statistics (in counts per minute [cpm])		
# of Measurements	20	20
Minimum	22	834
Maximum	33	914
Mean	27.2	871.4
Median	26.0	871.3
Stand. Dev.	3.3	22.1

Summary Statistics (in disintegrations per minute per 100 square centimeters [dpm/100 cm <sup>2</sup> ])		
# of Measurements	20	20
Minimum	49.8	739.9
Maximum	74.6	810.9
Mean	61.5	773.1
Median	58.8	773.0
Stand. Dev.	7.5	19.6

**Gamma Static Reference Background Area (RBA)**

Instrument (SN) - 3x3 NaI		
<b>Meter</b>	2221	(SN176952)
<b>Probe</b>	44-20	(PR262403)

Seq	Gamma Static cpm (1-min Count)	
	Concrete	Metal
1	11,356	6,049
2	11,537	6,524
3	11,291	6,495
4	10,696	6,443
5	11,570	6,580
6	12,584	6,202
7	11,897	5,947
8	12,061	6,125
9	13,357	6,551
10	12,503	6,699
11	13,976	6,095
12	12,206	6,613
13	11,713	6,618
14	10,526	6,189
15	10,813	6,053
16	10,522	6,433
17	11,853	6,419
18	11,818	5,942
19	11,018	6,521
20	11,485	6,849
<b>Min</b>	<b>10,522</b>	<b>5,942</b>
<b>Max</b>	<b>13,976</b>	<b>6,849</b>
<b>Mean</b>	<b>11,739</b>	<b>6,367</b>
<b>SD</b>	<b>894</b>	<b>269</b>
<b>Mean + 3-Sigma</b>	<b>14,421</b>	<b>7,173</b>

# **APPENDIX E**

## **RADIOLOGICAL INSTRUMENT QUALITY CONTROL DOCUMENTS**

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## CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

Counting Instrument:		2929		Detector:		43-10-1		Calibration Date:		2/20/2019									
Serial #:		155577		Serial #:		PR157789		12 month calibration:		OK									
Detector Active Area or Area Covered by Smear (cm <sup>2</sup> ):						100													
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source- Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm					
Alpha	0.3309	Th-230	M6-837	5,521	6/16/2015	7.54E+04	5,521	20	10	1	0.19	0.13	1767.9	53.07					
Beta	0.3815	Tc-99	M6-836	5,976	6/16/2015	2.11E+05	5,976	200	10	1	44.30	3.05	1473.3	49.29					
Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials	
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta							
8/13/2019	2	399	1801	1513	0.2	39.9	1800.8	1473.1	PASS	PASS	PASS	PASS	13.73	65	Yes	Yes		BB	
8/13/2019	0	416	1765	1476	0.0	41.6	1765.0	1434.4	PASS	PASS	PASS	PASS	9.07	66	Yes	Yes		BB	
8/14/2019	0	439	1773	1551	0.0	43.9	1773.0	1507.1	PASS	PASS	PASS	PASS	9.07	68	Yes	Yes		BB	
8/14/2019	2	466	1754	1568	0.2	46.6	1753.8	1521.4	PASS	PASS	PASS	PASS	13.73	70	Yes	Yes		BB	
8/15/2019	1	454	1743	1463	0.1	45.4	1742.9	1417.6	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		BB	
8/15/2019	0	451	1755	1552	0.0	45.1	1755.0	1506.9	PASS	PASS	PASS	PASS	9.07	69	Yes	Yes		BB	
8/16/2019	0	433	1733	1501	0.0	43.3	1733.0	1457.7	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
8/16/2019	0	399	1813	1453	0.0	39.9	1813.0	1413.1	PASS	PASS	PASS	PASS	9.07	65	Yes	Yes		BB	
8/19/2019	1	462	1738	1562	0.1	46.2	1737.9	1515.8	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		BB	
8/19/2019	2	420	1788	1490	0.2	42.0	1787.8	1448.0	PASS	PASS	PASS	PASS	13.73	66	Yes	Yes		BB	
8/20/2019	3	451	1752	1596	0.3	45.1	1751.7	1550.9	PASS	PASS	PASS	PASS	14.78	69	Yes	Yes		BB	
8/20/2019	0	477	1822	1623	0.0	47.7	1822.0	1575.3	PASS	PASS	PASS	QUESTION	9.07	70	Yes	Yes		BB	
8/20/2019	0	477	1822	1549	0.0	47.7	1822.0	1501.3	PASS	PASS	PASS	PASS	9.07	70	Yes	Yes		BB	
8/21/2019	0	433	1759	1557	0.0	43.3	1759.0	1513.7	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
8/21/2019	0	441	1812	1588	0.0	44.1	1812.0	1543.9	PASS	PASS	PASS	PASS	9.07	68	Yes	Yes		BB	
8/22/2019	1	453	1843	1584	0.1	45.3	1842.9	1538.7	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		BB	
8/22/2019	0	424	1811	1489	0.0	42.4	1811.0	1446.6	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
8/23/2019	0	472	1766	1454	0.0	47.2	1766.0	1406.8	PASS	PASS	PASS	PASS	9.07	70	Yes	Yes		BB	
8/23/2019	3	462	1732	1504	0.3	46.2	1731.7	1457.8	PASS	PASS	PASS	PASS	14.78	69	Yes	Yes		BB	
8/26/2019	0	444	1743	1480	0.0	44.4	1743.0	1435.6	PASS	PASS	PASS	PASS	9.07	68	Yes	Yes		BB	
8/26/2019	1	390	1807	1550	0.1	39.0	1806.9	1511.0	PASS	PASS	PASS	PASS	12.36	64	Yes	Yes		BB	
8/27/2019	0	426	1741	1552	0.0	42.6	1741.0	1509.4	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
8/27/2019	3	411	1760	1493	0.3	41.1	1759.7	1451.9	PASS	PASS	PASS	PASS	14.78	66	Yes	Yes		BB	
8/28/2019	0	454	1684	1524	0.0	45.4	1684.0	1478.6	PASS	PASS	PASS	PASS	9.07	69	Yes	Yes		BB	
8/28/2019	0	454	1791	1524	0.0	45.4	1791.0	1478.6	PASS	PASS	PASS	PASS	9.07	69	Yes	Yes		BB	
8/28/2019	0	431	1719	1543	0.0	43.1	1719.0	1499.9	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
8/29/2019	1	425	1770	1533	0.1	42.5	1769.9	1490.5	PASS	PASS	PASS	PASS	12.36	67	Yes	Yes		BB	
8/29/2019	0	423	1783	1495	0.0	42.3	1783.0	1452.7	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
8/30/2019	1	408	1788	1536	0.1	40.8	1787.9	1495.2	PASS	PASS	PASS	PASS	12.36	66	Yes	Yes		BB	
8/30/2019	0	393	1767	1451	0.0	39.3	1767.0	1411.7	PASS	PASS	PASS	PASS	9.07	65	Yes	Yes		BB	
9/3/2019	0	425	1774	1493	0.0	42.5	1774.0	1450.5	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
9/3/2019	1	422	1611	1454	0.1	42.2	1610.9	1411.8	PASS	PASS	QUESTION	PASS	12.36	67	Yes	Yes		BB	
9/3/2019	1	422	1704	1454	0.1	42.2	1703.9	1411.8	PASS	PASS	PASS	PASS	12.36	67	Yes	Yes		BB	
9/4/2019	2	449	1764	1502	0.2	44.9	1763.8	1457.1	PASS	PASS	PASS	PASS	13.73	68	Yes	Yes		BB	
9/4/2019	0	420	1770	1481	0.0	42.0	1770.0	1439.0	PASS	PASS	PASS	PASS	9.07	66	Yes	Yes		BB	
9/5/2019	1	436	1686	1456	0.1	43.6	1685.9	1412.4	PASS	PASS	PASS	PASS	12.36	68	Yes	Yes		BB	
9/5/2019	0	402	1759	1522	0.0	40.2	1759.0	1481.8	PASS	PASS	PASS	PASS	9.07	65	Yes	Yes		BB	
9/9/2019	2	418	1764	1568	0.2	41.8	1763.8	1526.2	PASS	PASS	PASS	PASS	13.73	66	Yes	Yes		BB	
9/9/2019	3	481	1770	1549	0.3	48.1	1769.7	1500.9	PASS	PASS	PASS	PASS	14.78	71	Yes	Yes		BB	
9/10/2019	0	506	1686	1507	0.0	50.6	1686.0	1456.4	PASS	QUESTION	PASS	PASS	9.07	72	Yes	Yes		BB	
9/10/2019	0	490	1686	1507	0.0	49.0	1686.0	1458.0	PASS	PASS	PASS	PASS	9.07	71	Yes	Yes		BB	
9/10/2019	1	435	1739	1496	0.1	43.5	1738.9	1452.5	PASS	PASS	PASS	PASS	12.36	68	Yes	Yes		BB	
9/11/2019	0	479	1733	1537	0.0	47.9	1733.0	1489.1	PASS	PASS	PASS	PASS	9.07	70	Yes	Yes		BB	
9/11/2019	4	489	1719	1580	0.4	48.9	1718.6	1531.1	PASS	PASS	PASS	PASS	15.66	71	Yes	Yes		BB	
9/13/2019	0	480	1680	1480	0.0	48.0	1680.0	1432.0	PASS	PASS	PASS	PASS	9.07	71	Yes	Yes		BB	



Ludlum

2929/43-10-1

155577/PR157789

## CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source- Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm					
Alpha	0.3309	Th-230	M6-837	5,521	6/16/2015	7.54E+04	5,521	20	10	1	0.19	0.13	1767.9	53.07					
Beta	0.3815	Tc-99	M6-836	5,976	6/16/2015	2.11E+05	5,976	200	10	1	44.30	3.05	1473.3	49.29					
Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials	
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta							
9/13/2019	3	490	1682	1387	0.3	49.0	1681.7	1338.0	PASS	PASS	PASS	QUESTION	14.78	71	Yes	Yes		BB	
9/13/2019	3	490	1682	1435	0.3	49.0	1681.7	1386.0	PASS	PASS	PASS	PASS	14.78	71	Yes	Yes		BB	
9/16/2019	1	485	1730	1471	0.1	48.5	1729.9	1422.5	PASS	PASS	PASS	PASS	12.36	71	Yes	Yes		BB	
9/16/2019	0	414	1671	1512	0.0	41.4	1671.0	1470.6	PASS	PASS	PASS	PASS	9.07	66	Yes	Yes		BB	
9/17/2019	1	479	1722	1449	0.1	47.9	1721.9	1401.1	PASS	PASS	PASS	PASS	12.36	70	Yes	Yes		BB	
9/17/2019	3	532	1784	1560	0.3	53.2	1783.7	1506.8	PASS	QUESTION	PASS	PASS	14.78	74	Yes	Yes		BB	
9/17/2019	3	479	1784	1560	0.3	47.9	1783.7	1512.1	PASS	PASS	PASS	PASS	14.78	70	Yes	Yes		BB	
9/18/2019	1	471	1687	1435	0.1	47.1	1686.9	1387.9	PASS	PASS	PASS	PASS	12.36	70	Yes	Yes		BB	
9/18/2019	1	464	1723	1516	0.1	46.4	1722.9	1469.6	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		BB	
9/19/2019	0	477	1682	1432	0.0	47.7	1682.0	1384.3	PASS	PASS	PASS	PASS	9.07	70	Yes	Yes		BB	
9/19/2019	2	472	1717	1513	0.2	47.2	1716.8	1465.8	PASS	PASS	PASS	PASS	13.73	70	Yes	Yes		BB	
9/20/2019	0	442	1729	1507	0.0	44.2	1729.0	1462.8	PASS	PASS	PASS	PASS	9.07	68	Yes	Yes		LKC	
9/20/2019	2	472	1698	1465	0.2	47.2	1697.8	1417.8	PASS	PASS	PASS	PASS	13.73	70	Yes	Yes		LKC	
9/24/2019	0	451	1707	1496	0.0	45.1	1707.0	1450.9	PASS	PASS	PASS	PASS	9.07	69	Yes	Yes		LKC	
9/24/2019	2	481	1644	1541	0.2	48.1	1643.8	1492.9	PASS	PASS	QUESTION	PASS	13.73	71	Yes	Yes		SH	
9/24/2019	2	481	1755	1541	0.2	48.1	1754.8	1492.9	PASS	PASS	PASS	PASS	13.73	71	Yes	Yes		SH	
9/26/2019	0	442	1690	1511	0.0	44.2	1690.0	1466.8	PASS	PASS	PASS	PASS	9.07	68	Yes	Yes		BB	
9/26/2019	1	488	1743	1609	0.1	48.8	1742.9	1560.2	PASS	PASS	PASS	PASS	12.36	71	Yes	Yes		BB	
9/27/2019	3	510	1821	1550	0.3	51.0	1820.7	1499.0	PASS	QUESTION	PASS	PASS	14.78	72	Yes	Yes		BB	
9/27/2019	0	489	1770	1609	0.0	48.9	1770.0	1560.1	PASS	PASS	PASS	PASS	9.07	71	Yes	Yes		BB	
10/1/2019	0	451	1741	1558	0.0	45.1	1741.0	1512.9	PASS	PASS	PASS	PASS	9.07	69	Yes	Yes		BB	
10/1/2019	1	397	1693	1591	0.1	39.7	1692.9	1551.3	PASS	PASS	PASS	PASS	12.36	65	Yes	Yes		BB	
10/2/2019	0	433	1671	1555	0.0	43.3	1671.0	1511.7	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
10/2/2019	0	488	1788	1612	0.0	48.8	1788.0	1563.2	PASS	PASS	PASS	PASS	9.07	71	Yes	Yes		BB	
10/3/2019	0	494	1733	1469	0.0	49.4	1733.0	1419.6	PASS	PASS	PASS	PASS	9.07	71	Yes	Yes		BB	
10/3/2019	1	445	1781	1541	0.1	44.5	1780.9	1496.5	PASS	PASS	PASS	PASS	12.36	68	Yes	Yes		BB	
10/4/2019	0	417	1732	1524	0.0	41.7	1732.0	1482.3	PASS	PASS	PASS	PASS	9.07	66	Yes	Yes		BB	
10/4/2019	2	432	1761	1613	0.2	43.2	1760.8	1569.8	PASS	PASS	PASS	PASS	13.73	67	Yes	Yes		BB	
10/7/2019	1	482	1727	1430	0.1	48.2	1726.9	1381.8	PASS	PASS	PASS	PASS	12.36	71	Yes	Yes		BB	
10/7/2019	2	460	1751	1560	0.2	46.0	1750.8	1514.0	PASS	PASS	PASS	PASS	13.73	69	Yes	Yes		BB	
10/8/2019	0	454	1745	1501	0.0	45.4	1745.0	1455.6	PASS	PASS	PASS	PASS	9.07	69	Yes	Yes		BB	
10/8/2019	1	470	1678	1567	0.1	47.0	1677.9	1520.0	PASS	PASS	PASS	PASS	12.36	70	Yes	Yes		BB	
10/9/2019	1	452	1693	1469	0.1	45.2	1692.9	1423.8	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		BB	
10/9/2019	0	488	1741	1551	0.0	48.8	1741.0	1502.2	PASS	PASS	PASS	PASS	9.07	71	Yes	Yes		BB	
10/10/2019	0	428	1706	1529	0.0	42.8	1706.0	1486.2	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
10/10/2019	0	450	1680	1497	0.0	45.0	1680.0	1452.0	PASS	PASS	PASS	PASS	9.07	69	Yes	Yes		BB	
10/11/2019	1	483	1723	1559	0.1	48.3	1722.9	1510.7	PASS	PASS	PASS	PASS	12.36	71	Yes	Yes		BB	
10/11/2019	2	490	1761	1492	0.2	49.0	1760.8	1443.0	PASS	PASS	PASS	PASS	13.73	71	Yes	Yes		BB	
10/15/2019	0	449	1701	1518	0.0	44.9	1701.0	1473.1	PASS	PASS	PASS	PASS	9.07	68	Yes	Yes		BB	
10/15/2019	3	420	1781	1593	0.3	42.0	1780.7	1551.0	PASS	PASS	PASS	PASS	14.78	66	Yes	Yes		BB	
10/16/2019	0	427	1775	1525	0.0	42.7	1775.0	1482.3	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
10/16/2019	1	464	1692	1488	0.1	46.4	1691.9	1441.6	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		BB	
10/17/2019	0	425	1760	1559	0.0	42.5	1760.0	1516.5	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB	
10/17/2019	1	430	1748	1541	0.1	43.0	1747.9	1498.0	PASS	PASS	PASS	PASS	12.36	67	Yes	Yes		BB	
10/18/2019	1	448	1686	1459	0.1	44.8	1685.9	1414.2	PASS	PASS	PASS	PASS	12.36	68	Yes	Yes		BB	
10/18/2019	0	401	1712	1496	0.0	40.1	1712.0	1455.9	PASS	PASS	PASS	PASS	9.07	65	Yes	Yes		BB	
10/21/2019	0	445	1737	1413	0.0	44.5	1737.0	1368.5	PASS	PASS	PASS	QUESTION	9.07	68	Yes	Yes		BB	
10/21/2019	0	445	1737	1442	0.0	44.5	1737.0	1397.5	PASS	PASS	PASS	PASS	9.07	68	Yes	Yes		BB	
10/21/2019	2	472	1831	1521	0.2	47.2	1830.8	1473.8	PASS	PASS	PASS	PASS	13.73	70	Yes	Yes		BB	
10/22/2019	1	471	1691	1510	0.1	47.1	1690.9	1462.9	PASS	PASS	PASS	PASS	12.36	70	Yes	Yes		BB	

Ludlum

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# CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	$T_{1/2}$ (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source- Sample Count Time	Control Chart bkg Average $\alpha/\beta$ cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average $\alpha/\beta$ cpm	Control Chart source 1 sigma, cpm				
<b>Alpha</b>	0.3309	Th-230	M6-837	5,521	6/16/2015	7.54E+04	5,521	20	10	1	0.19	0.13	1767.9	53.07				
<b>Beta</b>	0.3815	Tc-99	M6-836	5,976	6/16/2015	2.11E+05	5,976	200	10	1	44.30	3.05	1473.3	49.29				
Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA $\alpha$ (dpm)	MDA $\beta$ (dpm)	$\alpha$ MDA OK?	$\beta$ MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						
10/22/2019	0	412	1708	1545	0.0	41.2	1708.0	1503.8	PASS	PASS	PASS	PASS	9.07	66	Yes	Yes		BB
10/24/2019	0	434	1721	1501	0.0	43.4	1721.0	1457.6	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB
10/24/2019	0	433	1669	1541	0.0	43.3	1669.0	1497.7	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		BB
10/25/2019	0	469	1698	1477	0.0	46.9	1698.0	1430.1	PASS	PASS	PASS	PASS	9.07	70	Yes	Yes		BB
10/25/2019	0	436	1765	1543	0.0	43.6	1765.0	1499.4	PASS	PASS	PASS	PASS	9.07	68	Yes	Yes		BB
10/28/2019	1	417	1698	1506	0.1	41.7	1697.9	1464.3	PASS	PASS	PASS	PASS	12.36	66	Yes	Yes		BB
10/28/2019	0	413	1770	1508	0.0	41.3	1770.0	1466.7	PASS	PASS	PASS	PASS	9.07	66	Yes	Yes		BB
10/30/2019	1	458	1686	1491	0.1	45.8	1685.9	1445.2	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		BB
10/30/2019	1	456	1708	1601	0.1	45.6	1707.9	1555.4	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		BB
11/1/2019	2	478	1711	1582	0.2	47.8	1710.8	1534.2	PASS	PASS	PASS	PASS	13.73	70	Yes	Yes		BB
11/1/2019	1	461	1781	1549	0.1	46.1	1780.9	1502.9	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		BB
11/12/2019	0	408	1728	1460	0.0	40.8	1728.0	1419.2	PASS	PASS	PASS	PASS	9.07	66	Yes	Yes		BB
11/12/2019	1	451	1762	1439	0.1	45.1	1761.9	1393.9	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		BB
11/19/2019	0	431	1768	1435	0.0	43.1	1768.0	1391.9	PASS	PASS	PASS	PASS	9.07	67	Yes	Yes		DL
11/19/2019	1	422	1710	1470	0.1	42.2	1709.9	1427.8	PASS	PASS	PASS	PASS	12.36	67	Yes	Yes		DA
11/20/2019	2	458	1716	1474	0.2	45.8	1715.8	1428.2	PASS	PASS	PASS	PASS	13.73	69	Yes	Yes		DA
11/20/2019	0	447	1688	1468	0.0	44.7	1688.0	1423.3	PASS	PASS	PASS	PASS	9.07	68	Yes	Yes		DA
11/21/2019	1	472	1701	1483	0.1	47.2	1700.9	1435.8	PASS	PASS	PASS	PASS	12.36	70	Yes	Yes		DA
11/21/2019	1	461	1699	1471	0.1	46.1	1698.9	1424.9	PASS	PASS	PASS	PASS	12.36	69	Yes	Yes		DA

# CABRERA ALPHA-BETA COUNTING INSTRUMENT

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2929/43-10-1  
155577/DD157700

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Initial Background and Source Counts for Control Chart									
#	Initial bkg counts				Initial source plus bkg counts				
	Alpha	cpm	Beta	cpm	Alpha	cpm	Beta	cpm	
1	0	0	432	43.2	1646	1646	1593	1593	
2	2	0.2	446	44.6	1803	1803	1473	1473	
3	3	0.3	455	45.5	1815	1815	1535	1535	
4	2	0.2	486	48.6	1742	1742	1505	1505	
5	3	0.3	408	40.8	1807	1807	1584	1584	
6	2	0.2	410	41	1742	1742	1458	1458	
7	1	0.1	470	47	1804	1804	1546	1546	
8	4	0.4	414	41.4	1731	1731	1521	1521	
9	0	0	487	48.7	1793	1793	1454	1454	
10	2	0.2	422	42.2	1798	1798	1507	1507	
Mean		0.19		44.3		1768.1		1517.6	
S <sub>(n-1)</sub>		0.13		3.05		53.10		48.39	
-3 sigma		-0.20		35.14		1608.79		1372.44	
+3 sigma		0.58		53.46		1927.41		1662.76	
-2 sigma		-0.07		38.20		1661.89		1420.82	
+2 sigma		0.45		50.40		1874.31		1614.38	
					Mean-bkg	1767.9		1473.3	
					S <sub>(n-1)</sub>	53.07		49.29	
					Mean-bkg	-3 sigma	1608.70	1325.42	
					Mean-bkg	+3 sigma	1927.12	1621.18	
					Mean-bkg	-2 sigma	1661.77	1374.71	
					Mean-bkg	+2 sigma	1874.05	1571.89	

CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

Counting Instrument:		Ludlum 2360		Detector:		43-93		Calibration Date:		2/19/2019									
Serial #:		184909		Serial #:		PR199841		12 month calibration:		OK									
Detector Active Area or Area Covered by Smear (cm <sup>2</sup> ):						100													
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source- Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm					
Alpha	0.1110	Th-230	M6-837	5,521	6/16/2015	7.54E+04	5,521	100	2	2	1.20	0.86	974.2	27.60					
Beta	0.0681	Tc-99	M6-836	5,976	6/16/2015	2.11E+05	5,976	1000	2	2	146.55	12.26	711.6	23.10					
Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials	
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta							
8/12/2019	2	287	1949	1711	1.0	143.5	973.5	712.0	PASS	PASS	PASS	PASS	43.15	601	Yes	Yes		BB	
8/12/2019	1	293	1922	1772	0.5	146.5	960.5	739.5	PASS	PASS	PASS	PASS	34.47	607	Yes	Yes		BB	
8/13/2019	0	303	1913	1786	0.0	151.5	956.5	741.5	PASS	PASS	PASS	PASS	13.51	617	Yes	Yes		BB	
8/13/2019	3	297	1995	1717	1.5	148.5	996.0	710.0	PASS	PASS	PASS	PASS	49.81	611	Yes	Yes		BB	
8/14/2019	3	331	1973	1740	1.5	165.5	985.0	704.5	PASS	PASS	PASS	PASS	49.81	644	Yes	Yes		BB	
8/14/2019	1	299	1955	1732	0.5	149.5	977.0	716.5	PASS	PASS	PASS	PASS	34.47	613	Yes	Yes		BB	
8/15/2019	5	322	1907	1789	2.5	161.0	951.0	733.5	PASS	PASS	PASS	PASS	60.38	635	Yes	Yes		BB	
8/15/2019	3	278	1895	1754	1.5	139.0	946.0	738.0	PASS	PASS	PASS	PASS	49.81	592	Yes	Yes		BB	
8/16/2019	2	298	1922	1789	1.0	149.0	960.0	745.5	PASS	PASS	PASS	PASS	43.15	612	Yes	Yes		BB	
8/16/2019	1	311	1890	1823	0.5	155.5	944.5	756.0	PASS	PASS	PASS	PASS	34.47	624	Yes	Yes		BB	
8/19/2019	2	283	1871	1691	1.0	141.5	934.5	704.0	PASS	PASS	PASS	PASS	43.15	597	Yes	Yes		BB	
8/19/2019	3	266	1854	1690	1.5	133.0	925.5	712.0	PASS	PASS	PASS	PASS	49.81	579	Yes	Yes		BB	
8/20/2019	2	252	2003	1691	1.0	126.0	1000.5	719.5	PASS	PASS	PASS	PASS	43.15	564	Yes	Yes		BB	
8/20/2019	5	268	1990	1732	2.5	134.0	992.5	732.0	PASS	PASS	PASS	PASS	60.38	581	Yes	Yes		BB	
8/21/2019	2	301	1882	1647	1.0	150.5	940.0	673.0	PASS	PASS	PASS	PASS	43.15	615	Yes	Yes		BB	
8/21/2019	2	288	1900	1709	1.0	144.0	949.0	710.5	PASS	PASS	PASS	PASS	43.15	602	Yes	Yes		BB	
8/22/2019	4	286	1910	1690	2.0	143.0	953.0	702.0	PASS	PASS	PASS	PASS	55.43	600	Yes	Yes		BB	
8/22/2019	2	310	1890	1771	1.0	155.0	944.0	730.5	PASS	PASS	PASS	PASS	43.15	623	Yes	Yes		BB	
8/26/2019	1	301	1892	1717	0.5	150.5	945.5	708.0	PASS	PASS	PASS	PASS	34.47	615	Yes	Yes		BB	
8/26/2019	2	295	1935	1785	1.0	147.5	966.5	745.0	PASS	PASS	PASS	PASS	43.15	609	Yes	Yes		BB	
8/27/2019	2	300	1888	1733	1.0	150.0	943.0	716.5	PASS	PASS	PASS	PASS	43.15	614	Yes	Yes		BB	
8/27/2019	3	285	1871	1693	1.5	142.5	934.0	704.0	PASS	PASS	PASS	PASS	49.81	599	Yes	Yes		BB	
8/28/2019	2	301	1855	1738	1.0	150.5	926.5	718.5	PASS	PASS	PASS	PASS	43.15	615	Yes	Yes		BB	
8/28/2019	0	321	1909	1733	0.0	160.5	954.5	706.0	PASS	PASS	PASS	PASS	13.51	634	Yes	Yes		BB	
8/29/2019	4	242	1902	1703	2.0	121.0	949.0	730.5	PASS	QUESTION	PASS	PASS	55.43	553	Yes	Yes		BB	
8/29/2019	4	288	1902	1703	2.0	144.0	949.0	707.5	PASS	PASS	PASS	PASS	55.43	602	Yes	Yes		BB	
8/29/2019	2	273	1891	1680	1.0	136.5	944.5	703.5	PASS	PASS	PASS	PASS	43.15	586	Yes	Yes		BB	
8/30/2019	2	250	1911	1758	1.0	125.0	954.5	754.0	PASS	PASS	PASS	PASS	43.15	562	Yes	Yes		BB	
8/30/2019	1	297	1888	1805	0.5	148.5	943.5	754.0	PASS	PASS	PASS	PASS	34.47	611	Yes	Yes		BB	
9/3/2019	4	232	1954	1791	2.0	116.0	975.0	779.5	PASS	QUESTION	PASS	QUESTION	55.43	542	Yes	Yes		BB	
9/3/2019	2	258	1954	1678	1.0	129.0	976.0	710.0	PASS	PASS	PASS	PASS	43.15	571	Yes	Yes		BB	
9/3/2019	2	278	1977	1779	1.0	139.0	987.5	750.5	PASS	PASS	PASS	PASS	43.15	592	Yes	Yes		BB	
9/4/2019	2	309	1877	1762	1.0	154.5	937.5	726.5	PASS	PASS	PASS	PASS	43.15	623	Yes	Yes		BB	
9/4/2019	1	280	1903	1694	0.5	140.0	951.0	707.0	PASS	PASS	PASS	PASS	34.47	594	Yes	Yes		BB	
9/9/2019	3	304	1937	1744	1.5	152.0	967.0	720.0	PASS	PASS	PASS	PASS	49.81	618	Yes	Yes		BB	
9/9/2019	2	311	2011	1788	1.0	155.5	1004.5	738.5	PASS	PASS	PASS	PASS	43.15	624	Yes	Yes		BB	
9/16/2019	2	280	1886	1689	1.0	140.0	942.0	704.5	PASS	PASS	PASS	PASS	43.15	594	Yes	Yes		BB	
9/16/2019	2	271	1909	1711	1.0	135.5	953.5	720.0	PASS	PASS	PASS	PASS	43.15	584	Yes	Yes		BB	

# CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

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Counting Instrument:	Ludlum 2360	Detector:	43-37	Calibration Date:	8/15/2019
Serial #:	278586	Serial #:	PR178371	12 month calibration:	OK

Detector Active Area or Area Covered by Smear (cm <sup>2</sup> ):						584								
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm
Alpha	0.2690	Th-230	M6-837	5,521	6/16/2015	7.54E+04	5,521	100	2	2	2.80	1.38	678.9	38.84
Beta	0.1903	Tc-99	M6-836	5,976	6/16/2015	2.11E+05	5,976	1000	2	2	589.30	27.44	1076.6	47.77

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						
8/16/2019	4	1155	1381	3301	2.0	577.5	688.5	1073.0	PASS	PASS	PASS	PASS	3.93	73	Yes	Yes		BB
8/19/2019	6	1095	1330	3296	3.0	547.5	662.0	1100.5	PASS	PASS	PASS	PASS	4.60	71	Yes	Yes		BB
8/19/2019	5	1162	1369	3263	2.5	581.0	682.0	1050.5	PASS	PASS	PASS	PASS	4.28	73	Yes	Yes		BB
8/20/2019	4	1001	1396	3216	2.0	500.5	696.0	1107.5	PASS	PASS	PASS	PASS	3.93	68	Yes	Yes		BB
8/20/2019	4	1129	1396	3216	2.0	564.5	696.0	1043.5	PASS	PASS	PASS	PASS	3.93	72	Yes	Yes		BB
8/20/2019	8	1092	1406	3319	4.0	546.0	699.0	1113.5	PASS	PASS	PASS	PASS	5.16	71	Yes	Yes		BB
8/21/2019	3	1095	1555	3309	1.5	547.5	776.0	1107.0	PASS	PASS	PASS	PASS	3.53	71	Yes	Yes		BB
8/21/2019	8	1155	1490	3300	4.0	577.5	741.0	1072.5	PASS	PASS	PASS	PASS	5.16	73	Yes	Yes		BB
8/22/2019	3	1085	1357	3294	1.5	542.5	677.0	1104.5	PASS	PASS	PASS	PASS	3.53	71	Yes	Yes		BB
8/22/2019	10	1263	1542	3378	5.0	631.5	766.0	1057.5	PASS	PASS	PASS	PASS	5.66	76	Yes	Yes		BB
8/23/2019	7	1193	1511	3391	3.5	596.5	752.0	1099.0	PASS	PASS	PASS	PASS	4.89	74	Yes	Yes		BB
8/23/2019	12	1263	1539	3379	6.0	631.5	763.5	1058.0	PASS	PASS	PASS	PASS	6.11	76	Yes	Yes		BB
8/23/2019	8	1263	1539	3379	4.0	631.5	765.5	1058.0	PASS	PASS	PASS	PASS	5.16	76	Yes	Yes		BB
8/26/2019	4	1124	1495	3325	2.0	562.0	745.5	1100.5	PASS	PASS	PASS	PASS	3.93	72	Yes	Yes		BB
8/26/2019	8	1167	1388	3384	4.0	583.5	690.0	1108.5	PASS	PASS	PASS	PASS	5.16	73	Yes	Yes		BB
8/27/2019	5	1099	1532	3256	2.5	549.5	763.5	1078.5	PASS	PASS	PASS	PASS	4.28	71	Yes	Yes		BB
8/27/2019	6	1236	1466	3478	3.0	618.0	730.0	1121.0	PASS	PASS	PASS	PASS	4.60	75	Yes	Yes		BB
8/28/2019	7	1090	1462	3302	3.5	545.0	727.5	1106.0	PASS	PASS	PASS	PASS	4.89	71	Yes	Yes		BB
8/28/2019	14	1119	1384	3313	7.0	559.5	685.0	1097.0	PASS	PASS	PASS	PASS	6.52	72	Yes	Yes		BB
8/28/2019	9	1119	1384	3313	4.5	559.5	687.5	1097.0	PASS	PASS	PASS	PASS	5.42	72	Yes	Yes		BB
8/29/2019	4	1076	1524	3281	2.0	538.0	760.0	1102.5	PASS	PASS	PASS	PASS	3.93	70	Yes	Yes		BB
8/29/2019	8	1273	1429	3067	4.0	636.5	710.5	897.0	PASS	PASS	PASS	PASS	5.16	76	Yes	Yes		BB
8/29/2019	8	1273	1429	3365	4.0	636.5	710.5	1046.0	PASS	PASS	PASS	PASS	5.16	76	Yes	Yes		BB
8/30/2019	3	1071	1417	3361	1.5	535.5	707.0	1145.0	PASS	PASS	PASS	PASS	3.53	70	Yes	Yes		BB
8/30/2019	5	1185	1440	3236	2.5	592.5	717.5	1025.5	PASS	PASS	PASS	PASS	4.28	74	Yes	Yes		BB
9/3/2019	5	1116	1505	3211	2.5	558.0	750.0	1047.5	PASS	PASS	PASS	PASS	4.28	72	Yes	Yes		BB
9/3/2019	11	1178	1482	3365	5.5	589.0	735.5	1093.5	PASS	PASS	PASS	PASS	5.89	73	Yes	Yes		BB
9/4/2019	7	1088	1545	3291	3.5	544.0	769.0	1101.5	PASS	PASS	PASS	PASS	4.89	71	Yes	Yes		BB
9/4/2019	13	1281	1395	3291	6.5	640.5	691.0	1005.0	PASS	PASS	PASS	PASS	6.32	77	Yes	Yes		BB
9/4/2019	10	1281	1395	3291	5.0	640.5	692.5	1005.0	PASS	PASS	PASS	PASS	5.66	77	Yes	Yes		BB
9/5/2019	8	1157	1544	3186	4.0	578.5	768.0	1014.5	PASS	PASS	PASS	PASS	5.16	73	Yes	Yes		DA/DL
9/5/2019	9	1281	1533	3320	4.5	640.5	762.0	1019.5	PASS	PASS	PASS	PASS	5.42	77	Yes	Yes		DA/DL
9/6/2019	5	1079	1538	3219	2.5	539.5	766.5	1070.0	PASS	PASS	PASS	PASS	4.28	70	Yes	Yes		DA/DL
9/6/2019	8	1238	1517	3306	4.0	619.0	754.5	1034.0	PASS	PASS	PASS	PASS	5.16	75	Yes	Yes		DA/DL
9/9/2019	7	1068	1484	3150	3.5	534.0	738.5	1041.0	PASS	PASS	PASS	PASS	4.89	70	Yes	Yes		DA/DL
9/9/2019	7	1260	1329	3306	3.5	630.0	661.0	1023.0	PASS	PASS	PASS	PASS	4.89	76	Yes	Yes		DA/DL
9/10/2019	8	1075	1525	3221	4.0	537.5	758.5	1073.0	PASS	PASS	PASS	PASS	5.16	70	Yes	Yes		DA/DL
9/10/2019	12	1259	1516	3392	6.0	629.5	752.0	1066.5	PASS	PASS	PASS	PASS	6.11	76	Yes	Yes		DA/DL
9/11/2019	14	1050	1431	3360	7.0	525.0	708.5	1155.0	PASS	PASS	PASS	PASS	6.52	69	Yes	Yes		DA/DL
9/12/2019	4	1280	1523	3450	2.0	640.0	759.5	1085.0	PASS	PASS	PASS	PASS	3.93	77	Yes	Yes		BB
9/12/2019	6	1335	1483	3402	3.0	667.5	738.5	1033.5	PASS	PASS	PASS	PASS	4.60	78	Yes	Yes		BB
9/12/2019	7	1344	1551	3513	3.5	672.0	772.0	1084.5	PASS	PASS	PASS	PASS	4.89	78	Yes	Yes		BB

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278586/PR178371

Initial Background and Source Counts for Control Chart								
#	Initial bkg counts				Initial source plus bkg counts			
	Alpha	cpm	Beta	cpm	Alpha	cpm	Beta	cpm
1	5.00	2.5	1149.00	574.5	1415	707.5	3393	1696.5
2	10.00	5	1221.00	610.5	1363	681.5	3426	1713
3	4.00	2	1209.00	604.5	1357	678.5	3394	1697
4	2.00	1	1067.00	533.5	1088	544	3287	1643.5
5	9.00	4.5	1221.00	610.5	1422	711	3293	1646.5
6	9.00	4.5	1191.00	595.5	1390	695	3334	1667
7	5.00	2.5	1184.00	592	1417	708.5	3248	1624
8	3.00	1.5	1259.00	629.5	1453	726.5	3292	1646
9	4.00	2	1143.00	571.5	1389	694.5	3424	1712
10	5.00	2.5	1142.00	571	1339	669.5	3226	1613
Mean	5.60	2.80	1178.60	589.3	1363.3	681.7	3331.7	1665.9
S <sub>(n-1)</sub>		1.38		27.44		51.33		36.63
Zero		0.00		400.00	-20%	545.32		1332.68
Control		70.00		15000.00	+20%	817.98		1999.02
Zero		0.00		500.00	-19%	552.14		1349.34
Warning		10.00		700.00	+19%	811.16		1982.36
					Mean-bkg	678.9		1076.6
					S <sub>(n-1)</sub>	38.84		47.77
					Mean-bkg	-20%	543.08	861.24
					Mean-bkg	+20%	814.62	1291.86
					Mean-bkg	-19%	549.87	872.01
					Mean-bkg	+19%	807.83	1281.09



Counting Instrument:	Ludlum 2360	Detector:	43-37	Calibration Date:	3/4/2019
Serial #:	215271	Serial #:	PR216985	12 month calibration:	OK

Detector Active Area or Area Covered by Smear (cm<sup>2</sup>):

584

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm
Alpha	0.0740	Th-230	M6-837	5,521	6/16/2015	7.54E+04	5,521	100	2	2	2.60	0.91	824.3	20.79
Beta	0.1918	Tc-99	M6-836	5,976	6/16/2015	2.11E+05	5,976	1000	2	2	502.35	25.80	1044.5	53.19

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						
8/13/2019	5	1006	1643	3087	2.5	503.0	819.0	1040.5	PASS	PASS	PASS	PASS	15.56	67	Yes	Yes		BB
8/13/2019	3	930	1688	3186	1.5	465.0	842.5	1128.0	PASS	PASS	PASS	PASS	12.84	65	Yes	Yes		BB
8/14/2019	4	917	1655	2945	2.0	458.5	825.5	1014.0	PASS	PASS	PASS	PASS	14.29	64	Yes	Yes		DL
8/14/2019	3	932	1702	3011	1.5	466.0	849.5	1039.5	PASS	PASS	PASS	PASS	12.84	65	Yes	Yes		DL
8/15/2019	5	941	1579	2992	2.5	470.5	787.0	1025.5	PASS	PASS	PASS	PASS	15.56	65	Yes	Yes		BB
8/15/2019	4	939	1679	2985	2.0	469.5	837.5	1023.0	PASS	PASS	PASS	PASS	14.29	65	Yes	Yes		BB
8/16/2019	7	940	1502	3117	3.5	470.0	747.5	1088.5	PASS	PASS	PASS	PASS	17.77	65	Yes	Yes		BB
8/16/2019	7	940	1622	3117	3.5	470.0	807.5	1088.5	PASS	PASS	PASS	PASS	17.77	65	Yes	Yes		BB
8/16/2019	7	940	1679	3211	3.5	470.0	836.0	1135.5	PASS	PASS	PASS	PASS	17.77	65	Yes	Yes		BB
8/19/2019	4	911	1611	3054	2.0	455.5	803.5	1071.5	PASS	PASS	PASS	PASS	14.29	64	Yes	Yes		BB
8/19/2019	5	930	1604	3124	2.5	465.0	799.5	1097.0	PASS	PASS	PASS	PASS	15.56	65	Yes	Yes		BB
8/20/2019	3	961	1596	3009	1.5	480.5	796.5	1024.0	PASS	PASS	PASS	PASS	12.84	66	Yes	Yes		BB
8/20/2019	6	970	1597	3069	3.0	485.0	795.5	1049.5	PASS	PASS	PASS	PASS	16.71	66	Yes	Yes		BB
8/21/2019	7	945	1658	2981	3.5	472.5	825.5	1018.0	PASS	PASS	PASS	PASS	17.77	65	Yes	Yes		BB
8/21/2019	7	1038	1621	3156	3.5	519.0	807.0	1059.0	PASS	PASS	PASS	PASS	17.77	68	Yes	Yes		BB
8/22/2019	4	945	1706	2999	2.0	472.5	851.0	1027.0	PASS	PASS	PASS	PASS	14.29	65	Yes	Yes		BB
8/22/2019	7	956	1587	3194	3.5	478.0	790.0	1119.0	PASS	PASS	PASS	PASS	17.77	66	Yes	Yes		BB
8/23/2019	4	957	1631	3046	2.0	478.5	813.5	1044.5	PASS	PASS	PASS	PASS	14.29	66	Yes	Yes		BB
8/23/2019	6	1095	1582	3197	3.0	547.5	788.0	1051.0	PASS	PASS	PASS	PASS	16.71	70	Yes	Yes		BB
8/26/2019	7	939	1596	3040	3.5	469.5	794.5	1050.5	PASS	PASS	PASS	PASS	17.77	65	Yes	Yes		BB
8/26/2019	6	1204	1581	3162	3.0	602.0	787.5	979.0	PASS	PASS	PASS	PASS	16.71	74	Yes	Yes		BB
8/26/2019	6	1081	1581	3162	3.0	540.5	787.5	1040.5	PASS	PASS	PASS	PASS	16.71	70	Yes	Yes		BB
8/27/2019	8	956	1586	3023	4.0	478.0	789.0	1033.5	PASS	PASS	PASS	PASS	18.76	66	Yes	Yes		BB
8/27/2019	6	1092	1624	3158	3.0	546.0	809.0	1033.0	PASS	PASS	PASS	PASS	16.71	70	Yes	Yes		BB
8/28/2019	8	906	1634	2981	4.0	453.0	813.0	1037.5	PASS	PASS	PASS	PASS	18.76	64	Yes	Yes		BB
8/28/2019	17	1023	1633	3182	8.5	511.5	808.0	1079.5	PASS	PASS	PASS	PASS	25.75	68	Yes	Yes		BB
8/29/2019	5	963	1579	3057	2.5	481.5	787.0	1047.0	PASS	PASS	PASS	PASS	15.56	66	Yes	Yes		BB
8/29/2019	6	1013	1598	3301	3.0	506.5	796.0	1144.0	PASS	PASS	PASS	PASS	16.71	68	Yes	Yes		BB
8/30/2019	3	912	1579	2976	1.5	456.0	788.0	1032.0	PASS	PASS	PASS	PASS	12.84	64	Yes	Yes		BB
8/30/2019	3	1071	1610	3171	1.5	535.5	803.5	1050.0	PASS	PASS	PASS	PASS	12.84	70	Yes	Yes		BB
9/3/2019	7	931	1627	2989	3.5	465.5	810.0	1029.0	PASS	PASS	PASS	PASS	17.77	65	Yes	Yes		BB
9/3/2019	8	1098	1658	3197	4.0	549.0	825.0	1049.5	PASS	PASS	PASS	PASS	18.76	70	Yes	Yes		BB
9/4/2019	3	934	1650	3082	1.5	467.0	823.5	1074.0	PASS	PASS	PASS	PASS	12.84	65	Yes	Yes		BB
9/4/2019	21	1139	1576	3146	10.5	569.5	777.5	1003.5	QUESTION	PASS	PASS	PASS	28.24	72	Yes	Yes		BB
9/4/2019	8	1055	1576	3146	4.0	527.5	784.0	1045.5	PASS	PASS	PASS	PASS	18.76	69	Yes	Yes		BB
9/5/2019	4	936	1527	3004	2.0	468.0	761.5	1034.0	PASS	PASS	PASS	PASS	14.29	65	Yes	Yes		DA/DL
9/5/2019	7	998	1362	3039	3.5	499.0	677.5	1020.5	PASS	PASS	PASS	PASS	17.77	67	Yes	Yes		DA/DL
9/6/2019	5	915	1532	3205	2.5	457.5	763.5	1145.0	PASS	PASS	PASS	PASS	15.56	64	Yes	Yes		DA/DL
9/6/2019	9	1097	1684	3142	4.5	548.5	837.5	1022.5	PASS	PASS	PASS	PASS	19.69	70	Yes	Yes		DA/DL
9/9/2019	5	1055	1670	3022	2.5	527.5	832.5	983.5	PASS	PASS	PASS	PASS	15.56	69	Yes	Yes		DA/DL
9/9/2019	11	1077	1653	3177	5.5	538.5	821.0	1050.0	PASS	PASS	PASS	PASS	21.40	70	Yes	Yes		DA/DL
9/10/2019	2	946	1457	2989	1.0	473.0	727.5	1021.5	PASS	PASS	PASS	PASS	11.12	65	Yes	Yes		DA/DL
9/10/2019	16	996	1529	3070	8.0	498.0	756.5	1037.0	PASS	PASS	PASS	PASS	25.09	67	Yes	Yes		DA/DL
9/11/2019	3	1029	1549	3009	1.5	514.5	773.0	990.0	PASS	PASS	PASS	PASS	12.84	68	Yes	Yes		DA/DL
9/11/2019	19	1063	1601	3218	9.5	531.5	791.0	1077.5	PASS	PASS	PASS	PASS	27.03	69	Yes	Yes		DA/DL
9/12/2019	5	1002	1415	3066	2.5	501.0	705.0	1032.0	PASS	PASS	PASS	PASS	15.56	67	Yes	Yes		DA/DL
9/12/2019	7	1287	1703	3103	3.5	643.5	848.0	908.0	PASS	PASS	PASS	PASS	17.77	76	Yes	Yes		DA/DL

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215271/PR216985

9/18/2019	11	1035	1465	3053	5.5	517.5	727.0	1009.0	PASS	PASS	PASS	PASS	21.40	68	Yes	Yes	DA/DL
9/19/2019	3	983	1457	2877	1.5	491.5	727.0	947.0	PASS	PASS	PASS	PASS	12.84	67	Yes	Yes	DA/DL
9/19/2019	17	892	1575	2879	8.5	446.0	779.0	993.5	PASS	PASS	PASS	PASS	25.75	64	Yes	Yes	DA/DL
9/20/2019	3	928	1749	2889	1.5	464.0	873.0	980.5	PASS	PASS	PASS	PASS	12.84	65	Yes	Yes	DA/DL
9/20/2019	15	1119	1420	3035	7.5	559.5	702.5	958.0	PASS	PASS	PASS	PASS	24.40	71	Yes	Yes	DA/DL
9/23/2019	8	971	1392	2990	4.0	485.5	692.0	1009.5	PASS	PASS	PASS	PASS	18.76	66	Yes	Yes	SH
9/23/2019	17	1131	1598	3196	8.5	565.5	790.5	1032.5	PASS	PASS	PASS	PASS	25.75	71	Yes	Yes	SH
9/24/2019	7	1110	1440	2903	3.5	555.0	716.5	896.5	PASS	PASS	PASS	PASS	17.77	71	Yes	Yes	SH
9/24/2019	31	1177	1436	3195	15.5	588.5	702.5	1009.0	QUESTION	PASS	PASS	PASS	33.56	73	Yes	Yes	SH
9/25/2019	8	982	1582	3136	4.0	491.0	787.0	1077.0	PASS	PASS	PASS	PASS	18.76	67	Yes	Yes	SH
9/25/2019	20	1266	1808	3315	10.0	633.0	894.0	1024.5	PASS	PASS	PASS	PASS	27.64	76	Yes	Yes	SH
9/26/2019	11	1114	1414	3064	5.5	557.0	701.5	975.0	PASS	PASS	PASS	PASS	21.40	71	Yes	Yes	DA/DL
9/26/2019	13	1136	1456	3111	6.5	568.0	721.5	987.5	PASS	PASS	PASS	PASS	22.96	72	Yes	Yes	DA/DL
9/27/2019	7	1243	1569	2950	3.5	621.5	781.0	853.5	PASS	PASS	PASS	PASS	17.77	75	Yes	Yes	DA/DL
9/27/2019	20	1013	1376	3045	10.0	506.5	678.0	1016.0	PASS	PASS	PASS	PASS	27.64	68	Yes	Yes	DA/DL
9/30/2019	5	867	1530	2894	2.5	433.5	762.5	1013.5	PASS	PASS	PASS	PASS	15.56	63	Yes	Yes	DA/DL
9/30/2019	20	1031	1480	3015	10.0	515.5	730.0	992.0	PASS	PASS	PASS	PASS	27.64	68	Yes	Yes	DA/DL
10/1/2019	7	874	1430	2769	3.5	437.0	711.5	947.5	PASS	PASS	PASS	PASS	17.77	63	Yes	Yes	DA/DL
10/1/2019	6	862	1463	2879	3.0	431.0	728.5	1008.5	PASS	PASS	PASS	PASS	16.71	63	Yes	Yes	DA/DL
10/2/2019	5	862	1472	2779	2.5	431.0	733.5	958.5	PASS	PASS	PASS	PASS	15.56	63	Yes	Yes	DA/DL
10/2/2019	16	1049	1439	2960	8.0	524.5	711.5	955.5	PASS	PASS	PASS	PASS	25.09	69	Yes	Yes	DA/DL
10/3/2019	4	852	1451	2894	2.0	426.0	723.5	1021.0	PASS	PASS	PASS	PASS	14.29	62	Yes	Yes	DA/DL
10/3/2019	17	913	1448	2716	8.5	456.5	715.5	901.5	PASS	PASS	PASS	PASS	25.75	64	Yes	Yes	DA/DL
10/4/2019	10	848	1418	2757	5.0	424.0	704.0	954.5	PASS	PASS	PASS	PASS	20.56	62	Yes	Yes	DA/DL
10/4/2019	20	1009	1478	2821	10.0	504.5	729.0	906.0	PASS	PASS	PASS	PASS	27.64	68	Yes	Yes	DA/DL
10/7/2019	5	815	1380	2951	2.5	407.5	687.5	1068.0	PASS	PASS	PASS	PASS	15.56	61	Yes	Yes	DA/DL
10/7/2019	20	1011	1440	2858	10.0	505.5	710.0	923.5	PASS	PASS	PASS	PASS	27.64	68	Yes	Yes	DA/DL
10/8/2019	2	864	1368	2865	1.0	432.0	683.0	1000.5	PASS	PASS	PASS	PASS	11.12	63	Yes	Yes	DA/DL
10/8/2019	9	908	1506	2724	4.5	454.0	748.5	908.0	PASS	PASS	PASS	PASS	19.69	64	Yes	Yes	DA/DL
10/9/2019	5	931	1373	2708	2.5	465.5	684.0	888.5	PASS	PASS	PASS	PASS	15.56	65	Yes	Yes	DA/DL
10/9/2019	8	946	1431	2860	4.0	473.0	711.5	957.0	PASS	PASS	PASS	PASS	18.76	65	Yes	Yes	DA/DL
10/10/2019	4	975	1622	2917	2.0	487.5	809.0	971.0	PASS	PASS	PASS	PASS	14.29	66	Yes	Yes	DA/DL
10/10/2019	18	1063	1506	3197	9.0	531.5	744.0	1067.0	PASS	PASS	PASS	PASS	26.40	69	Yes	Yes	DA/DL
10/11/2019	5	973	1357	2783	2.5	486.5	676.0	905.0	PASS	PASS	PASS	PASS	15.56	66	Yes	Yes	DA/DL
10/11/2019	10	1101	1451	2884	5.0	550.5	720.5	891.5	PASS	PASS	PASS	PASS	20.56	71	Yes	Yes	BB
10/15/2019	6	837	1332	2868	3.0	418.5	663.0	1015.5	PASS	PASS	QUESTION	PASS	16.71	62	Yes	Yes	DA/DL
10/15/2019	6	837	1395	2868	3.0	418.5	694.5	1015.5	PASS	PASS	PASS	PASS	16.71	62	Yes	Yes	DA/DL
10/15/2019	6	969	1440	3068	3.0	484.5	717.0	1049.5	PASS	PASS	PASS	PASS	16.71	66	Yes	Yes	DA/DL
10/16/2019	6	927	1388	2770	3.0	463.5	691.0	921.5	PASS	PASS	PASS	PASS	16.71	65	Yes	Yes	DA/DL
10/16/2019	12	878	1450	2842	6.0	439.0	719.0	982.0	PASS	PASS	PASS	PASS	22.19	63	Yes	Yes	DA/DL
10/18/2019	10	885	1457	2899	5.0	442.5	723.5	1007.0	PASS	PASS	PASS	PASS	20.56	63	Yes	Yes	DA/DL
10/18/2019	13	915	1390	2884	6.5	457.5	688.5	984.5	PASS	PASS	PASS	PASS	22.96	64	Yes	Yes	DA/DL
10/21/2019	5	821	1400	2923	2.5	410.5	697.5	1051.0	PASS	PASS	PASS	PASS	15.56	61	Yes	Yes	DA/DL
10/21/2019	3	998	1488	2977	1.5	499.0	742.5	989.5	PASS	PASS	PASS	PASS	12.84	67	Yes	Yes	DA/DL
10/22/2019	3	855	1392	2926	1.5	427.5	694.5	1035.5	PASS	PASS	PASS	PASS	12.84	62	Yes	Yes	DA/DL
10/22/2019	11	1118	1421	2999	5.5	559.0	705.0	940.5	PASS	PASS	PASS	PASS	21.40	71	Yes	Yes	DA/DL
10/23/2019	3	952	1357	2874	1.5	476.0	677.0	961.0	PASS	PASS	PASS	PASS	12.84	66	Yes	Yes	DA/DL
10/23/2019	9	1091	1390	3022	4.5	545.5	690.5	965.5	PASS	PASS	PASS	PASS	19.69	70	Yes	Yes	DA/DL
10/24/2019	5	961	1401	2821	2.5	480.5	698.0	930.0	PASS	PASS	PASS	PASS	15.56	66	Yes	Yes	DA/DL
10/24/2019	7	1010	1545	3041	3.5	505.0	769.0	1015.5	PASS	PASS	PASS	PASS	17.77	68	Yes	Yes	DA/DL
10/25/2019	5	897	1383	2786	2.5	448.5	689.0	944.5	PASS	PASS	PASS	PASS	15.56	64	Yes	Yes	DA/DL
10/25/2019	8	932	1453	2992	4.0	466.0	722.5	1030.0	PASS	PASS	PASS	PASS	18.76	65	Yes	Yes	DA/DL
10/29/2019	9	841	1363	2838	4.5	420.5	677.0	998.5	PASS	PASS	PASS	PASS	19.69	62	Yes	Yes	DA/DL
10/29/2019	8	886	1519	2821	4.0	443.0	755.5	967.5	PASS	PASS	PASS	PASS	18.76	63	Yes	Yes	DA/DL
10/30/2019	5	843	1399	2617	2.5	421.5	697.0	887.0	PASS	PASS	PASS	PASS	15.56	62	Yes	Yes	DA/DL
10/30/2019	15	1017	1648	3000	7.5	508.5	816.5	991.5	PASS	PASS	PASS	PASS	24.40	68	Yes	Yes	DA/DL
10/31/2019	8	801	1477	2887	4.0	400.5	734.5	1043.0	PASS	PASS	PASS	PASS	18.76	60	Yes	Yes	DA/DL
10/31/2019	12	950	1422	2679	6.0	475.0	705.0	864.5	PASS	PASS	PASS	PASS	22.19	66	Yes	Yes	DA/DL
11/1/2019	10	812	1330	2650	5.0	406.0	660.0	919.0	PASS	PASS	QUESTION	PASS	20.56	61	Yes	Yes	DA/DL
11/1/2019	10	812	1444	2650	5.0	406.0	717.0	919.0	PASS	PASS	PASS	PASS	20.56	61	Yes	Yes	DA/DL
11/1/2019	20	1037	1390	2979	10.0	518.5	685.0	971.0	PASS	PASS	PASS	PASS	27.64	68	Yes	Yes	JF
11/4/2019	5	902	1383	2673	2.5	451.0	689.0	885.5	PASS	PASS	PASS	PASS	15.56	64	Yes	Yes	DA/PK
11/4/2019	17	935	1394	2954	8.5	467.5	688.5	1009.5	PASS	PASS	PASS	PASS	25.75	65	Yes	Yes	DA/PK
11/5/2019	7	830	1386	2656	3.5	415.0	689.5	913.0	PASS	PASS	PASS	PASS	17.77	61	Yes	Yes	DA/PK
11/5/2019	20	834	1359	2610	10.0	417.0	669.5	888.0	PASS	PASS	PASS	PASS	27.64	62	Yes	Yes	DA/PK
11/6/2019	2	883	1341	2760	1.0	441.5	669.5	938.5	PASS	PASS	PASS	PASS	11.12	63	Yes	Yes	DA/PK
11/6/2019	15	800	1443	2757	7.5	400.0	714.0	978.5	PASS	PASS	PASS	PASS	24.40	60	Yes	Yes	DA/PK
11/7/2019	3	848	1536	2710	1.5	424.0	766.5	931.0	PASS	PASS	PASS	PASS	12.84	62	Yes	Yes	DA/PK
11/7/2019	19	827	1674	2902	9.5	413.5	827.5	1037.5	PASS	PASS	PASS	PASS	27.03	61	Yes	Yes	DA/PK

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Initial Background and Source Counts for Control Chart								
#	Initial bkg counts				Initial source plus bkg counts			
	Alpha	cpm	Beta	cpm	Alpha	cpm	Beta	cpm
1	6.00	3	959.00	479.5	1683	841.5	3059	1529.5
2	7.00	3.5	961.00	480.5	1646	823	3150	1575
3	6.00	3	1049.00	524.5	1632	816	3089	1544.5
4	6.00	3	1070.00	535	1668	834	3004	1502
5	3.00	1.5	999.00	499.5	1640	820	3089	1544.5
6	6.00	3	905.00	452.5	1693	846.5	3219	1609.5
7	3.00	1.5	1044.00	522	1664	832	3139	1569.5
8	8.00	4	993.00	496.5	1563	781.5	3037	1518.5
9	3.00	1.5	1019.00	509.5	1639	819.5	3125	1562.5
10	4.00	2	1048.00	524	1710	855	3026	1513
Mean	5.20	2.60	1004.7	502.4		826.9		1546.9
S <sub>(n-1)</sub>		0.91		25.80		20.44		32.91
Zero		0.00		350.00	-20%	661.52		1237.48
99% CV		70.00		15000.00	+20%	992.28		1856.22
Zero		0.00		400.00	-19%	669.79		1252.95
95% CV		10.00		700.00	+19%	984.01		1840.75
					Mean-bkg	824.3		1044.5
					S <sub>(n-1)</sub>	20.79		53.19
					Mean-bkg	-20%	659.44	835.60
					Mean-bkg	+20%	989.16	1253.40
					Mean-bkg	-19%	667.68	846.05
					Mean-bkg	+19%	980.92	1242.96

Counting Instrument:	Ludlum 2360	Detector:	43-37	Calibration Date:	9/3/2019
Serial #:	220263	Serial #:	PR216985	12 month calibration:	OK

Detector Active Area or Area Covered by Smear (cm<sup>2</sup>):

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	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm
Alpha	0.0770	Th-230	M6-837	5,521	6/16/2015	7.54E+04	5,521	100	2	2	5.15	1.38	855.1	34.66
Beta	0.2064	Tc-99	M6-836	5,976	6/16/2015	2.11E+05	5,976	1000	2	2	797.80	26.36	916.4	41.19

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						
9/5/2019	9	1624	1716	3478	4.5	812.0	853.5	927.0	PASS	PASS	PASS	PASS	18.93	79	Yes	Yes		BB
9/5/2019	12	1594	1735	3303	6.0	797.0	861.5	854.5	PASS	PASS	PASS	PASS	21.34	79	Yes	Yes		BB
9/6/2019	7	1604	1752	3445	3.5	802.0	872.5	920.5	PASS	PASS	PASS	PASS	17.09	79	Yes	Yes		DA/DL
9/6/2019	13	1641	1701	3342	6.5	820.5	844.0	850.5	PASS	PASS	PASS	PASS	22.08	80	Yes	Yes		DA/DL
9/9/2019	7	1549	1694	3362	3.5	774.5	843.5	906.5	PASS	PASS	PASS	PASS	17.09	77	Yes	Yes		DA/DL
9/9/2019	25	1602	1755	3413	12.5	801.0	865.0	905.5	QUESTION	PASS	PASS	PASS	29.32	79	Yes	Yes		DA/DL
9/9/2019	16	1602	1755	3413	8.0	801.0	869.5	905.5	PASS	PASS	PASS	PASS	24.12	79	Yes	Yes		DA/DL
9/10/2019	7	1582	1649	3470	3.5	791.0	821.0	944.0	PASS	PASS	PASS	PASS	17.09	78	Yes	Yes		DA/DL
9/10/2019	20	1630	1748	3316	10.0	815.0	864.0	843.0	PASS	PASS	PASS	PASS	26.58	79	Yes	Yes		DA/DL
9/11/2019	13	1544	1716	3466	6.5	772.0	851.5	961.0	PASS	PASS	PASS	PASS	22.08	77	Yes	Yes		DA/DL
9/11/2019	19	1664	1814	3450	9.5	832.0	897.5	893.0	PASS	PASS	PASS	PASS	25.99	80	Yes	Yes		DA/DL
9/12/2019	12	1771	1729	3392	6.0	885.5	858.5	810.5	PASS	PASS	PASS	PASS	21.34	83	Yes	Yes		DA/DL
9/12/2019	18	1662	1817	3262	9.0	831.0	899.5	800.0	PASS	PASS	PASS	PASS	25.38	80	Yes	Yes		DA/DL
9/13/2019	16	1616	1688	3349	8.0	808.0	836.0	866.5	PASS	PASS	PASS	PASS	24.12	79	Yes	Yes		DA/DL
9/13/2019	20	1635	1725	3201	10.0	817.5	852.5	783.0	PASS	PASS	PASS	PASS	26.58	80	Yes	Yes		DA/DL
9/16/2019	13	1570	1688	3382	6.5	785.0	837.5	906.0	PASS	PASS	PASS	PASS	22.08	78	Yes	Yes		DA/DL
9/16/2019	16	1526	1789	3350	8.0	763.0	886.5	912.0	PASS	PASS	PASS	PASS	24.12	77	Yes	Yes		DA/DL
9/17/2019	16	1601	1682	3414	8.0	800.5	833.0	906.5	PASS	PASS	PASS	PASS	24.12	79	Yes	Yes		DA/DL
9/17/2019	19	1671	1720	3332	9.5	835.5	850.5	830.5	PASS	PASS	PASS	PASS	25.99	80	Yes	Yes		DA/DL
9/18/2019	10	1583	1562	3442	5.0	791.5	776.0	929.5	PASS	PASS	PASS	PASS	19.77	78	Yes	Yes		DA/DL
9/18/2019	19	1624	1770	3215	9.5	812.0	875.5	795.5	PASS	PASS	PASS	PASS	25.99	79	Yes	Yes		DA/DL
9/19/2019	15	1573	1709	3478	7.5	786.5	847.0	952.5	PASS	PASS	PASS	PASS	23.46	78	Yes	Yes		DA/DL
9/19/2019	15	1635	1759	3299	7.5	817.5	872.0	832.0	PASS	PASS	PASS	PASS	23.46	80	Yes	Yes		DA/DL
9/20/2019	13	1770	1734	3460	6.5	885.0	860.5	845.0	PASS	PASS	PASS	PASS	22.08	83	Yes	Yes		DA/DL
9/20/2019	19	1564	1666	3388	9.5	782.0	823.5	912.0	PASS	PASS	PASS	PASS	25.99	78	Yes	Yes		DA/DL
9/23/2019	8	1552	1526	3491	4.0	776.0	759.0	969.5	PASS	PASS	PASS	PASS	18.04	78	Yes	Yes		SH
9/23/2019	20	1700	1714	3303	10.0	850.0	847.0	801.5	PASS	PASS	PASS	PASS	26.58	81	Yes	Yes		SH
9/24/2019	9	1546	1760	3388	4.5	773.0	875.5	921.0	PASS	PASS	PASS	PASS	18.93	77	Yes	Yes		SH
9/24/2019	19	1616	1583	3235	9.5	808.0	782.0	809.5	PASS	PASS	PASS	PASS	25.99	79	Yes	Yes		SH
9/25/2019	20	1575	1587	3222	10.0	787.5	783.5	823.5	PASS	PASS	PASS	PASS	26.58	78	Yes	Yes		SH
9/25/2019	20	1588	1770	3073	10.0	794.0	875.0	742.5	PASS	PASS	PASS	PASS	26.58	78	Yes	Yes		SH
9/26/2019	13	1715	1516	3262	6.5	857.5	751.5	773.5	PASS	PASS	PASS	PASS	22.08	81	Yes	Yes		DA/DL
9/26/2019	26	1610	1746	3301	13.0	805.0	860.0	845.5	QUESTION	PASS	PASS	PASS	29.83	79	Yes	Yes		DA/DL
9/26/2019	20	1610	1746	3301	10.0	805.0	863.0	845.5	PASS	PASS	PASS	PASS	26.58	79	Yes	Yes		DA/DL
9/27/2019	9	1601	1680	3345	4.5	800.5	835.5	872.0	PASS	PASS	PASS	PASS	18.93	79	Yes	Yes		DA/DL
9/27/2019	19	1579	1604	3434	9.5	789.5	792.5	927.5	PASS	PASS	PASS	PASS	25.99	78	Yes	Yes		DA/DL
9/30/2019	7	1638	1494	3440	3.5	819.0	743.5	901.0	PASS	PASS	PASS	PASS	17.09	80	Yes	Yes		DA/DL
9/30/2019	17	1616	1489	3365	8.5	808.0	736.0	874.5	PASS	PASS	PASS	PASS	24.76	79	Yes	Yes		DA/DL
10/1/2019	11	1544	1519	3540	5.5	772.0	754.0	998.0	PASS	PASS	PASS	PASS	20.57	77	Yes	Yes		DA/DL
10/1/2019	8	1739	1505	3452	4.0	869.5	748.5	856.5	PASS	PASS	PASS	PASS	18.04	82	Yes	Yes		DA/DL
10/2/2019	7	1645	1690	3345	3.5	822.5	841.5	850.0	PASS	PASS	PASS	PASS	17.09	80	Yes	Yes		DA/DL
10/2/2019	10	1707	1835	3422	5.0	853.5	912.5	857.5	PASS	PASS	PASS	PASS	19.77	81	Yes	Yes		DA/DL
10/3/2019	4	1384	1752	3464	2.0	692.0	874.0	1040.0	PASS	PASS	PASS	PASS	13.74	73	Yes	Yes		DA/DL
10/3/2019	13	1491	1760	3354	6.5	745.5	873.5	931.5	PASS	PASS	PASS	PASS	22.08	76	Yes	Yes		DA/DL
10/4/2019	12	1695	1483	3461	6.0	847.5	735.5	883.0	PASS	PASS	PASS	PASS	21.34	81	Yes	Yes		DA/DL
10/4/2019	23	1715	1438	3251	11.5	857.5	707.5	768.0	QUESTION	PASS	PASS	PASS	28.26	81	Yes	Yes		DA/DL
10/4/2019	18	1715	1438	3251	9.0	857.5	710.0	768.0	PASS	PASS	PASS	PASS	25.38	81	Yes	Yes		DA/DL
10/7/2019	14	1645	1480	3428	7.0	822.5	733.0	891.5	PASS	PASS	PASS	PASS	22.78	80	Yes	Yes		DA/DL
10/7/2019	18	1685	1544	3285	9.0	842.5	763.0	800.0	PASS	PASS	PASS	PASS	25.38	81	Yes	Yes		DA/DL
10/8/2019	7	1737	1500	3283	3.5	868.5	746.5	773.0	PASS	PASS	PASS	PASS	17.09	82	Yes	Yes		DA/DL
10/8/2019	14	1636	1692	3417	7.0	818.0	839.0	890.5	PASS	PASS	PASS	PASS	22.78	80	Yes	Yes		DA/DL
10/9/2019	10	1555	1530	3451	5.0	777.5	760.0	948.0	PASS	PASS	PASS	PASS	19.77	78	Yes	Yes		DA/DL
10/9/2019	12	1604	1532	3336	6.0	802.0	760.0	866.0	PASS	PASS	PASS	PASS	21.34	79	Yes	Yes		DA/DL
10/10/2019	11	1594	1611	3355	5.5	797.0	800.0	880.5	PASS	PASS	PASS	PASS	20.57	79	Yes	Yes		DA/DL

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10/11/2019	11	1504	2004	3258	5.5	752.0	996.5	877.0	PASS	PASS	PASS	PASS	20.57	76	Yes	Yes	DA/DL
10/11/2019	20	1597	1467	3247	10.0	798.5	723.5	825.0	PASS	PASS	PASS	PASS	26.58	79	Yes	Yes	DA/DL
10/15/2019	7	1535	1472	3448	3.5	767.5	732.5	956.5	PASS	PASS	PASS	PASS	17.09	77	Yes	Yes	DA/DL
10/15/2019	13	1538	1813	3380	6.5	769.0	900.0	921.0	PASS	PASS	PASS	PASS	22.08	77	Yes	Yes	DA/DL
10/16/2019	8	1492	1630	3380	4.0	746.0	811.0	944.0	PASS	PASS	PASS	PASS	18.04	76	Yes	Yes	DA/DL
10/16/2019	14	1610	1707	3447	7.0	805.0	846.5	918.5	PASS	PASS	PASS	PASS	22.78	79	Yes	Yes	DA/DL
10/17/2019	8	1588	1640	3539	4.0	794.0	816.0	975.5	PASS	PASS	PASS	PASS	18.04	78	Yes	Yes	DA/DL
10/17/2019	19	1657	1745	3397	9.5	828.5	863.0	870.0	PASS	PASS	PASS	PASS	25.99	80	Yes	Yes	DA/DL
10/18/2019	8	1526	1650	3387	4.0	763.0	821.0	930.5	PASS	PASS	PASS	PASS	18.04	77	Yes	Yes	DA/DL
10/18/2019	13	1581	1671	3365	6.5	790.5	829.0	892.0	PASS	PASS	PASS	PASS	22.08	78	Yes	Yes	DA/DL
10/21/2019	7	1430	1616	3411	3.5	715.0	804.5	990.5	PASS	PASS	PASS	PASS	17.09	74	Yes	Yes	DA/DL
10/21/2019	20	1574	1737	3333	10.0	787.0	858.5	879.5	PASS	PASS	PASS	PASS	26.58	78	Yes	Yes	DA/DL
10/22/2019	8	1511	1660	3348	4.0	755.5	826.0	918.5	PASS	PASS	PASS	PASS	18.04	77	Yes	Yes	DA/DL
10/24/2019	10	1625	1454	3383	5.0	812.5	722.0	879.0	PASS	PASS	PASS	PASS	19.77	79	Yes	Yes	BB
10/24/2019	9	1576	1494	3404	4.5	788.0	742.5	914.0	PASS	PASS	PASS	PASS	18.93	78	Yes	Yes	BB
10/25/2019	12	1518	1613	3502	6.0	759.0	800.5	992.0	PASS	PASS	PASS	PASS	21.34	77	Yes	Yes	DA/DL
10/25/2019	12	1619	1760	3383	6.0	809.5	874.0	882.0	PASS	PASS	PASS	PASS	21.34	79	Yes	Yes	DA/DL
10/28/2019	15	1600	1645	3401	7.5	800.0	815.0	900.5	PASS	PASS	PASS	PASS	23.46	79	Yes	Yes	DA/DL
10/28/2019	15	1531	1584	3410	7.5	765.5	784.5	939.5	PASS	PASS	PASS	PASS	23.46	77	Yes	Yes	DA/DL
10/29/2019	8	1415	1697	3415	4.0	707.5	844.5	1000.0	PASS	PASS	PASS	PASS	18.04	74	Yes	Yes	DA/DL
10/29/2019	19	1463	1716	3241	9.5	731.5	848.5	889.0	PASS	PASS	PASS	PASS	25.99	75	Yes	Yes	DA/DL
10/31/2019	5	1409	1578	3452	2.5	704.5	786.5	1021.5	PASS	PASS	PASS	PASS	14.96	74	Yes	Yes	DA/DL
10/31/2019	13	1631	1758	3618	6.5	815.5	872.5	993.5	PASS	PASS	PASS	PASS	22.08	79	Yes	Yes	DA/DL
11/1/2019	7	1596	1716	3611	3.5	798.0	854.5	1007.5	PASS	PASS	PASS	PASS	17.09	79	Yes	Yes	DA/DL
11/1/2019	17	1671	1812	3478	8.5	835.5	897.5	903.5	PASS	PASS	PASS	PASS	24.76	80	Yes	Yes	JF
11/4/2019	1	1537	1687	3588	0.5	768.5	843.0	1025.5	PASS	PASS	PASS	PASS	8.54	77	Yes	Yes	DA/PK
11/4/2019	15	1578	1733	3527	7.5	789.0	859.0	974.5	PASS	PASS	PASS	PASS	23.46	78	Yes	Yes	DA/PK
11/5/2019	3	1554	1747	3458	1.5	777.0	872.0	952.0	PASS	PASS	PASS	PASS	12.34	78	Yes	Yes	DA/PK
11/5/2019	13	1676	1687	3495	6.5	838.0	837.0	909.5	PASS	PASS	PASS	PASS	22.08	81	Yes	Yes	DA/PK
11/6/2019	14	1584	1616	3484	7.0	792.0	801.0	950.0	PASS	PASS	PASS	PASS	22.78	78	Yes	Yes	DA/PK
11/6/2019	14	1595	1695	3624	7.0	797.5	840.5	1014.5	PASS	PASS	PASS	PASS	22.78	79	Yes	Yes	DA/PK
11/7/2019	5	1552	1670	3601	2.5	776.0	832.5	1024.5	PASS	PASS	PASS	PASS	14.96	78	Yes	Yes	DA/PK
11/7/2019	17	1609	1681	3617	8.5	804.5	832.0	1004.0	PASS	PASS	PASS	PASS	24.76	79	Yes	Yes	DA/PK
11/8/2019	4	1490	1626	3553	2.0	745.0	811.0	1031.5	PASS	PASS	PASS	PASS	13.74	76	Yes	Yes	DA/PK
11/8/2019	29	1534	1658	3714	14.5	767.0	814.5	1090.0	QUESTION	PASS	PASS	PASS	31.32	77	Yes	Yes	DA/PK
11/8/2019	20	1534	1658	3714	10.0	767.0	819.0	1090.0	PASS	PASS	PASS	PASS	26.58	77	Yes	Yes	DA/PK
11/11/2019	3	1554	1542	3549	1.5	777.0	769.5	997.5	PASS	PASS	PASS	PASS	12.34	78	Yes	Yes	DA/PK
11/11/2019	18	1614	1742	3675	9.0	807.0	862.0	1030.5	PASS	PASS	PASS	PASS	25.38	79	Yes	Yes	DA/PK
11/12/2019	4	1489	1573	3645	2.0	744.5	784.5	1078.0	PASS	PASS	PASS	PASS	13.74	76	Yes	Yes	DA/PK
11/12/2019	11	1593	1584	3707	5.5	796.5	786.5	1057.0	PASS	PASS	PASS	PASS	20.57	79	Yes	Yes	DA/PK
11/13/2019	4	1476	1642	3657	2.0	738.0	819.0	1090.5	PASS	PASS	PASS	PASS	13.74	76	Yes	Yes	DA/PK
11/13/2019	21	1464	1563	3588	10.5	732.0	771.0	1062.0	QUESTION	PASS	PASS	PASS	27.15	75	Yes	Yes	DL/PK
11/13/2019	16	1464	1563	3588	8.0	732.0	773.5	1062.0	PASS	PASS	PASS	PASS	24.12	75	Yes	Yes	DL/PK
11/14/2019	6	1501	1730	3644	3.0	750.5	862.0	1071.5	PASS	PASS	PASS	PASS	16.07	76	Yes	Yes	DL/PK
11/14/2019	17	1459	1645	3611	8.5	729.5	814.0	1076.0	PASS	PASS	PASS	PASS	24.76	75	Yes	Yes	DL/PK
11/15/2019	4	1555	1511	3561	2.0	777.5	753.5	1003.0	PASS	PASS	PASS	PASS	13.74	78	Yes	Yes	DL/PK
11/15/2019	17	1620	1671	3612	8.5	810.0	827.0	996.0	PASS	PASS	PASS	PASS	24.76	79	Yes	Yes	DL/PK
11/20/2019	8	1548	1702	3655	4.0	774.0	847.0	1053.5	PASS	PASS	PASS	PASS	18.04	77	Yes	Yes	DA
11/20/2019	17	1701	1688	3444	8.5	850.5	835.5	871.5	PASS	PASS	PASS	PASS	24.76	81	Yes	Yes	DA

Ludlum 2360/43-37  
220263/PR216985

Initial Background and Source Counts for Control Chart								
#	Initial bkg counts				Initial source plus bkg counts			
	Alpha	cpm	Beta	cpm	Alpha	cpm	Beta	cpm
1	11.00	5.5	1540.00	770	1699	849.5	3444	1722
2	14.00	7	1579.00	789.5	1630	815	3361	1680.5
3	11.00	5.5	1555.00	777.5	1651	825.5	3374	1687
4	12.00	6	1632.00	816	1647	823.5	3342	1671
5	8.00	4	1655.00	827.5	1786	893	3533	1766.5
6	14.00	7	1705.00	852.5	1681	840.5	3402	1701
7	7.00	3.5	1591.00	795.5	1779	889.5	3465	1732.5
8	6.00	3	1573.00	786.5	1765	882.5	3420	1710
9	9.00	4.5	1547.00	773.5	1745	872.5	3502	1751
10	11.00	5.5	1579.00	789.5	1821	910.5	3441	1720.5
Mean		5.15		797.8		860.2		1714.2
$S_{(n-1)}$		1.38		26.36		33.68		30.66
Zero		0.00		500.00	-20%	688.16		1371.36
99% CV		70.00		15000.00	+20%	1032.24		2057.04
Zero		0.00		600.00	-19%	696.76		1388.50
95% CV		10.00		900.00	+19%	1023.64		2039.90
					Mean-bkg	855.1		916.4
					$S_{(n-1)}$	34.66		41.19
				Mean-bkg	-20%	684.04		733.12
				Mean-bkg	+20%	1026.06		1099.68
				Mean-bkg	-19%	692.59		742.28
				Mean-bkg	+19%	1017.51		1090.52

Counting Instrument:	Ludlum 2360	Detector:	43-37	Calibration Date:	9/11/2019
Serial #:	278604	Serial #:	PR190617	12 month calibration:	OK

Detector Active Area or Area Covered by Smear (cm<sup>2</sup>):

584

	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm
Alpha	0.0670	Th-230	M6-837	5,521	6/16/2015	7.54E+04	5,521	100	2	2	2.15	1.11	659.1	19.12
Beta	0.1960	Tc-99	M6-836	5,976	6/16/2015	2.11E+05	5,976	1000	2	2	643.20	31.47	888.6	48.88

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						
9/17/2019	3	1214	1369	3033	1.5	607.0	683.0	909.5	PASS	PASS	PASS	PASS	14.18	72	Yes	Yes		BB
9/17/2019	17	1473	1266	2968	8.5	736.5	624.5	747.5	PASS	PASS	PASS	PASS	28.45	80	Yes	Yes		BB
9/18/2019	4	1217	1330	3141	2.0	608.5	663.0	962.0	PASS	PASS	PASS	PASS	15.78	72	Yes	Yes		BB
9/18/2019	5	1389	1495	2953	2.5	694.5	745.0	782.0	PASS	PASS	PASS	PASS	17.19	77	Yes	Yes		BB
9/19/2019	8	1310	1377	3162	4.0	655.0	684.5	926.0	PASS	PASS	PASS	PASS	20.72	75	Yes	Yes		DA/DL
9/19/2019	11	1471	1127	3017	5.5	735.5	558.0	773.0	PASS	PASS	PASS	PASS	23.63	80	Yes	Yes		DA/DL
9/20/2019	5	1324	1363	2955	2.5	662.0	679.0	815.5	PASS	PASS	PASS	PASS	17.19	76	Yes	Yes		DA/DL
9/20/2019	14	1490	1325	3102	7.0	745.0	655.5	806.0	PASS	PASS	PASS	PASS	26.17	80	Yes	Yes		DA/DL
9/23/2019	4	1420	1308	2957	2.0	710.0	652.0	768.5	PASS	PASS	PASS	PASS	15.78	78	Yes	Yes		SH
9/23/2019	18	1467	1435	3056	9.0	733.5	708.5	794.5	PASS	PASS	PASS	PASS	29.16	79	Yes	Yes		SH
9/24/2019	3	1337	1394	3102	1.5	668.5	695.5	882.5	PASS	PASS	PASS	PASS	14.18	76	Yes	Yes		SH
9/24/2019	20	1440	1384	3101	10.0	720.0	682.0	830.5	PASS	PASS	PASS	PASS	30.53	79	Yes	Yes		SH
9/25/2019	1	1398	1197	3109	0.5	699.0	598.0	855.5	PASS	PASS	PASS	PASS	9.81	78	Yes	Yes		SH
9/26/2019	3	1305	1306	3071	1.5	652.5	651.5	883.0	PASS	PASS	PASS	PASS	14.18	75	Yes	Yes		BB
9/26/2019	4	1317	1356	3129	2.0	658.5	676.0	906.0	PASS	PASS	PASS	PASS	15.78	75	Yes	Yes		BB
9/26/2019	18	1422	1380	3101	9.0	711.0	681.0	839.5	PASS	PASS	PASS	PASS	29.16	78	Yes	Yes		BB
9/27/2019	5	1315	1315	3006	2.5	657.5	655.0	845.5	PASS	PASS	PASS	PASS	17.19	75	Yes	Yes		DA/DL
9/27/2019	14	1310	1139	3181	7.0	655.0	562.5	935.5	PASS	PASS	PASS	PASS	26.17	75	Yes	Yes		DA/DL
9/30/2019	4	1267	1115	3030	2.0	633.5	555.5	881.5	PASS	PASS	PASS	PASS	15.78	74	Yes	Yes		DA/DL
9/30/2019	20	1446	1176	3145	10.0	723.0	578.0	849.5	PASS	PASS	PASS	PASS	30.53	79	Yes	Yes		DA/DL
10/1/2019	8	1272	1236	3008	4.0	636.0	614.0	868.0	PASS	PASS	PASS	PASS	20.72	74	Yes	Yes		DA/DL
10/1/2019	15	1452	1167	3075	7.5	726.0	576.0	811.5	PASS	PASS	PASS	PASS	26.95	79	Yes	Yes		DA/DL
10/2/2019	3	1307	1144	3018	1.5	653.5	570.5	855.5	PASS	PASS	PASS	PASS	14.18	75	Yes	Yes		DA/DL
10/2/2019	12	1493	1184	3102	6.0	746.5	586.0	804.5	PASS	PASS	PASS	PASS	24.51	80	Yes	Yes		DA/DL
10/3/2019	10	1268	1275	3038	5.0	634.0	632.5	885.0	PASS	PASS	PASS	PASS	22.71	74	Yes	Yes		DA/DL
10/3/2019	16	1402	1309	2992	8.0	701.0	646.5	795.0	PASS	PASS	PASS	PASS	27.71	78	Yes	Yes		DA/DL
10/4/2019	4	1271	1275	3024	2.0	635.5	635.5	876.5	PASS	PASS	PASS	PASS	15.78	74	Yes	Yes		DA/DL
10/4/2019	13	1360	1256	3008	6.5	680.0	621.5	824.0	PASS	PASS	PASS	PASS	25.36	77	Yes	Yes		DA/DL
10/7/2019	3	1343	1278	3094	1.5	671.5	637.5	875.5	PASS	PASS	PASS	PASS	14.18	76	Yes	Yes		DA/DL
10/7/2019	15	1509	1326	3085	7.5	754.5	655.5	788.0	PASS	PASS	PASS	PASS	26.95	81	Yes	Yes		DA/DL
10/8/2019	2	1336	1272	3085	1.0	668.0	635.0	874.5	PASS	PASS	PASS	PASS	12.28	76	Yes	Yes		DA/DL
10/8/2019	3	1476	1209	2928	1.5	738.0	603.0	726.0	PASS	PASS	PASS	PASS	14.18	80	Yes	Yes		DA/DL
10/9/2019	5	1237	1115	3045	2.5	618.5	555.0	904.0	PASS	PASS	PASS	PASS	17.19	73	Yes	Yes		DA/DL
10/9/2019	10	1393	1114	3064	5.0	696.5	552.0	835.5	PASS	PASS	PASS	PASS	22.71	77	Yes	Yes		DA/DL
10/10/2019	3	1261	1088	2969	1.5	630.5	542.5	854.0	PASS	PASS	PASS	PASS	14.18	74	Yes	Yes		DA/DL
10/10/2019	9	1343	1423	3000	4.5	671.5	707.0	828.5	PASS	PASS	PASS	PASS	21.74	76	Yes	Yes		DA/DL
10/11/2019	11	1283	1279	3160	5.5	641.5	634.0	938.5	PASS	PASS	PASS	PASS	23.63	74	Yes	Yes		DA/DL
10/11/2019	16	1427	1265	3060	8.0	713.5	624.5	816.5	PASS	PASS	PASS	PASS	27.71	78	Yes	Yes		DA/DL
10/16/2019	7	1130	1264	3007	3.5	565.0	628.5	938.5	PASS	QUESTION	PASS	PASS	19.63	70	Yes	Yes		DA/DL
10/16/2019	7	1239	1280	2905	3.5	619.5	636.5	833.0	PASS	PASS	PASS	PASS	19.63	73	Yes	Yes		DA/DL
10/16/2019	8	1285	1180	3033	4.0	642.5	586.0	874.0	PASS	PASS	PASS	PASS	20.72	74	Yes	Yes		DA/DL
10/17/2019	3	1286	1364	2988	1.5	643.0	680.5	851.0	PASS	PASS	PASS	PASS	14.18	74	Yes	Yes		DA/DL
10/17/2019	20	1297	1328	3111	10.0	648.5	654.0	907.0	PASS	PASS	PASS	PASS	30.53	75	Yes	Yes		DA/DL
10/18/2019	4	1214	1147	2959	2.0	607.0	571.5	872.5	PASS	PASS	PASS	PASS	15.78	72	Yes	Yes		DA/DL
10/18/2019	6	1297	1098	2973	3.0	648.5	546.0	838.0	PASS	PASS	PASS	PASS	18.46	75	Yes	Yes		DA/DL
10/21/2019	14	1391	1324	2937	7.0	695.5	655.0	773.0	PASS	PASS	PASS	PASS	26.17	77	Yes	Yes		DA/DL
10/21/2019	13	1390	1379	3131	6.5	695.0	683.0	870.5	PASS	PASS	PASS	PASS	25.36	77	Yes	Yes		DA/DL
10/22/2019	4	1244	1336	3057	2.0	622.0	666.0	906.5	PASS	PASS	PASS	PASS	15.78	73	Yes	Yes		DA/DL
10/22/2019	15	1404	1301	3053	7.5	702.0	643.0	824.5	PASS	PASS	PASS	PASS	26.95	78	Yes	Yes		JF/DL
10/23/2019	8	1246	1166	3014	4.0	623.0	579.0	884.0	PASS	PASS	PASS	PASS	20.72	73	Yes	Yes		JF/DL
10/23/2019	10	1486	1248	3034	5.0	743.0	619.0	774.0	PASS	PASS	PASS	PASS	22.71	80	Yes	Yes		JF/DL
10/24/2019	2	1365	1229	3056	1.0	682.5	613.5	845.5	PASS	PASS	PASS	PASS	12.28	77	Yes	Yes		JF/DL
10/24/2019	6	1240	1205	2760	3.0	620.0	599.5	760.0	PASS	PASS	PASS	PASS	18.46	73	Yes	Yes		JF/DL
10/25/2019	3	1434	1173	2967	1.5	717.0	585.0	766.5	PASS	PASS	PASS	PASS	14.18	79	Yes	Yes		JF/DL

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10/25/2019	11	1494	1350	3178	5.5	747.0	669.5	842.0	PASS	PASS	PASS	PASS	23.63	80	Yes	Yes	JF/DL
10/28/2019	4	1221	1208	2944	2.0	610.5	602.0	861.5	PASS	PASS	PASS	PASS	15.78	73	Yes	Yes	JF/DL
10/28/2019	4	1274	1221	3095	2.0	637.0	608.5	910.5	PASS	PASS	PASS	PASS	15.78	74	Yes	Yes	JF/DL
10/30/2019	2	1158	1080	2967	1.0	579.0	539.0	904.5	PASS	QUESTION	PASS	PASS	12.28	71	Yes	Yes	DA
10/30/2019	4	1201	1080	2967	2.0	600.5	538.0	883.0	PASS	PASS	PASS	PASS	15.78	72	Yes	Yes	DA/DL
10/30/2019	18	1286	1100	3102	9.0	643.0	541.0	908.0	PASS	PASS	PASS	PASS	29.16	74	Yes	Yes	DA/DL



Ludlum 2360/43-37  
278604/PR190617

Initial Background and Source Counts for Control Chart								
#	Initial bkg counts				Initial source plus bkg counts			
	Alpha	cpm	Beta	cpm	Alpha	cpm	Beta	cpm
1	4.00	2	1274.00	637	1266	633	3141	1570.5
2	10.00	5	1319.00	659.5	1372	686	3124	1562
3	3.00	1.5	1313.00	656.5	1328	664	2971	1485.5
4	4.00	2	1402.00	701	1333	666.5	3039	1519.5
5	2.00	1	1287.00	643.5	1262	631	3073	1536.5
6	4.00	2	1333.00	666.5	1350	675	3046	1523
7	5.00	2.5	1230.00	615	1363	681.5	3074	1537
8	3.00	1.5	1302.00	651	1345	672.5	3008	1504
9	3.00	1.5	1186.00	593	1322	661	3132	1566
10	5.00	2.5	1218.00	609	1283	641.5	3028	1514
Mean		2.15		643.2		661.2		1531.8
S <sub>(n-1)</sub>		1.11		31.47		19.65		28.07
Zero		0.00		500.00	-20%	528.96		1225.44
99% CV		70.00		15000.00	+20%	793.44		1838.16
Zero		0.00		600.00	-19%	535.57		1240.76
95% CV		10.00		800.00	+19%	786.83		1822.84
					Mean-bkg	659.1		888.6
					S <sub>(n-1)</sub>	19.12		48.88
				Mean-bkg	-20%	527.24		710.88
				Mean-bkg	+20%	790.86		1066.32
				Mean-bkg	-19%	533.83		719.77
				Mean-bkg	+19%	784.27		1057.43

Counting Instrument:	Ludlum 2360	Detector:	43-37	Calibration Date:	9/11/2019
Serial #:	245779	Serial #:	PR190618	12 month calibration:	OK

Detector Active Area or Area Covered by Smear (cm <sup>2</sup> ):							584							
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm
Alpha	0.066	Th-230	M6-837	5,521	6/16/2015	7.54E+04	5,521	100	2	2	2.45	1.46	711.8	24.89
Beta	0.207	Tc-99	M6-836	5,976	6/16/2015	2.11E+05	5,976	1000	2	2	648.20	38.77	990.9	58.59

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						
9/17/2019	4	1370	1438	3383	2.0	685.0	717.0	1006.5	PASS	PASS	PASS	PASS	16.02	73	Yes	Yes		BB
9/17/2019	9	1368	1477	3296	4.5	684.0	734.0	964.0	PASS	PASS	PASS	PASS	22.07	73	Yes	Yes		BB
9/18/2019	3	1371	1393	3229	1.5	685.5	695.0	929.0	PASS	PASS	PASS	PASS	14.40	73	Yes	Yes		BB
9/18/2019	7	1449	1505	3244	3.5	724.5	749.0	897.5	PASS	PASS	PASS	PASS	19.93	75	Yes	Yes		DA/DL
9/19/2019	6	1392	1363	3198	3.0	696.0	678.5	903.0	PASS	PASS	PASS	PASS	18.74	73	Yes	Yes		DA/DL
9/19/2019	7	1497	1574	3252	3.5	748.5	783.5	877.5	PASS	PASS	PASS	PASS	19.93	76	Yes	Yes		DA/DL
9/20/2019	1	1341	1477	3253	0.5	670.5	738.0	956.0	PASS	PASS	PASS	PASS	9.96	72	Yes	Yes		DA/DL
9/20/2019	5	1484	1199	3188	2.5	742.0	597.0	852.0	PASS	PASS	PASS	PASS	17.45	76	Yes	Yes		DA/DL
9/23/2019	9	1368	1503	3240	4.5	684.0	747.0	936.0	PASS	PASS	PASS	PASS	22.07	73	Yes	Yes		SH
9/23/2019	20	1520	1546	3165	10.0	760.0	763.0	822.5	PASS	PASS	PASS	PASS	30.99	77	Yes	Yes		SH
9/24/2019	2	1347	1515	3237	1.0	673.5	756.5	945.0	PASS	PASS	PASS	PASS	12.47	72	Yes	Yes		SH
9/24/2019	14	1447	1504	3071	7.0	723.5	745.0	812.0	PASS	PASS	PASS	PASS	26.57	75	Yes	Yes		SH
9/25/2019	5	1507	1463	3126	2.5	753.5	729.0	809.5	PASS	PASS	PASS	PASS	17.45	76	Yes	Yes		SH
9/25/2019	7	1466	1489	3237	3.5	733.0	741.0	885.5	PASS	PASS	PASS	PASS	19.93	75	Yes	Yes		SH
9/26/2019	3	1383	1275	3244	1.5	691.5	636.0	930.5	PASS	PASS	PASS	PASS	14.40	73	Yes	Yes		DA/DL
9/26/2019	18	1380	1238	3143	9.0	690.0	610.0	881.5	PASS	PASS	PASS	PASS	29.60	73	Yes	Yes		DA/DL
9/27/2019	2	1269	1244	3138	1.0	634.5	621.0	934.5	PASS	PASS	PASS	PASS	12.47	70	Yes	Yes		DA/DL
9/27/2019	8	1336	1404	3211	4.0	668.0	698.0	937.5	PASS	PASS	PASS	PASS	21.04	72	Yes	Yes		DA/DL
9/30/2019	3	1255	1252	2957	1.5	627.5	624.5	851.0	PASS	PASS	PASS	PASS	14.40	70	Yes	Yes		BB
9/30/2019	14	1282	1434	3155	7.0	641.0	710.0	936.5	PASS	PASS	PASS	PASS	26.57	70	Yes	Yes		DA/DL
10/1/2019	3	1265	1462	3217	1.5	632.5	729.5	976.0	PASS	PASS	PASS	PASS	14.40	70	Yes	Yes		DA/DL
10/1/2019	16	1414	1314	3174	8.0	707.0	649.0	880.0	PASS	PASS	PASS	PASS	28.13	74	Yes	Yes		DA/DL
10/2/2019	1	1326	1382	2910	0.5	663.0	690.5	792.0	PASS	PASS	PASS	PASS	9.96	72	Yes	Yes		DA/DL
10/2/2019	1	1326	1382	3064	0.5	663.0	690.5	869.0	PASS	PASS	PASS	PASS	9.96	72	Yes	Yes		DA/DL
10/2/2019	5	1299	1380	3171	2.5	649.5	687.5	936.0	PASS	PASS	PASS	PASS	17.45	71	Yes	Yes		DA/DL
10/3/2019	2	1284	1349	3222	1.0	642.0	673.5	969.0	PASS	PASS	PASS	PASS	12.47	70	Yes	Yes		DA/DL
10/3/2019	16	1396	1379	3183	8.0	698.0	681.5	893.5	PASS	PASS	PASS	PASS	28.13	73	Yes	Yes		DA/DL
10/4/2019	2	1258	1345	3047	1.0	629.0	671.5	894.5	PASS	PASS	PASS	PASS	12.47	70	Yes	Yes		DA/DL
10/4/2019	14	1235	1278	3055	7.0	617.5	632.0	910.0	PASS	PASS	PASS	PASS	26.57	69	Yes	Yes		DA/DL
10/7/2019	4	1255	1361	3260	2.0	627.5	678.5	1002.5	PASS	PASS	PASS	PASS	16.02	70	Yes	Yes		DA/DL
10/7/2019	9	1416	1370	3282	4.5	708.0	680.5	933.0	PASS	PASS	PASS	PASS	22.07	74	Yes	Yes		DA/DL
10/8/2019	3	1338	1419	3202	1.5	669.0	708.0	932.0	PASS	PASS	PASS	PASS	14.40	72	Yes	Yes		DA/DL
10/8/2019	8	1203	1348	3217	4.0	601.5	670.0	1007.0	PASS	PASS	PASS	PASS	21.04	68	Yes	Yes		DA/DL
10/9/2019	4	1342	1419	3178	2.0	671.0	707.5	918.0	PASS	PASS	PASS	PASS	16.02	72	Yes	Yes		DA/DL
10/9/2019	18	1264	1212	3025	9.0	632.0	597.0	880.5	PASS	PASS	PASS	PASS	29.60	70	Yes	Yes		DA/DL
10/10/2019	3	1304	1339	3169	1.5	652.0	668.0	932.5	PASS	PASS	PASS	PASS	14.40	71	Yes	Yes		DA/DL
10/10/2019	9	1232	1426	3227	4.5	616.0	708.5	997.5	PASS	PASS	PASS	PASS	22.07	69	Yes	Yes		DA/DL
10/11/2019	3	1297	1390	3151	1.5	648.5	693.5	927.0	PASS	PASS	PASS	PASS	14.40	71	Yes	Yes		DA/DL
10/11/2019	5	1224	1368	3186	2.5	612.0	681.5	981.0	PASS	PASS	PASS	PASS	17.45	69	Yes	Yes		DA/DL
10/15/2019	4	1225	1368	3192	2.0	612.5	682.0	983.5	PASS	PASS	PASS	PASS	16.02	69	Yes	Yes		DA/DL
10/15/2019	5	1226	1413	3105	2.5	613.0	704.0	939.5	PASS	PASS	PASS	PASS	17.45	69	Yes	Yes		DA/DL
10/16/2019	4	1283	1482	3256	2.0	641.5	739.0	986.5	PASS	PASS	PASS	PASS	16.02	70	Yes	Yes		DA/DL
10/16/2019	3	1203	1409	3166	1.5	601.5	703.0	981.5	PASS	PASS	PASS	PASS	14.40	68	Yes	Yes		DA/DL

Ludlum 2360/43-37  
245779/PR190618

Initial Background and Source Counts for Control Chart								
#	Initial bkg counts				Initial source plus bkg counts			
	Alpha	cpm	Beta	cpm	Alpha	cpm	Beta	cpm
1	1.00	0.5	1230.00	615	1428	714	3272	1636
2	1.00	0.5	1358.00	679	1438	719	3166	1583
3	3.00	1.5	1302.00	651	1494	747	3339	1669.5
4	6.00	3	1186.00	593	1409	704.5	3281	1640.5
5	7.00	3.5	1214.00	607	1439	719.5	3229	1614.5
6	10.00	5	1216.00	608	1340	670	3365	1682.5
7	4.00	2	1332.00	666	1395	697.5	3253	1626.5
8	5.00	2.5	1359.00	679.5	1391	695.5	3269	1634.5
9	4.00	2	1390.00	695	1502	751	3429	1714.5
10	8.00	4	1377.00	688.5	1449	724.5	3178	1589
Mean		2.45		648.2		714.3		1639.1
S <sub>(n-1)</sub>		1.46		38.77		24.18		40.75
Zero		0.00		500.00	-20%	571.40		1311.24
99% CV		70.00		15000.00	+20%	857.10		1966.86
Zero		0.00		600.00	-19%	578.54		1327.63
95% CV		10.00		800.00	+19%	849.96		1950.47
					Mean-bkg	711.8		990.9
					S <sub>(n-1)</sub>	24.89		58.59
				Mean-bkg	-20%	569.44		792.68
				Mean-bkg	+20%	854.16		1189.02
				Mean-bkg	-19%	576.56		802.59
				Mean-bkg	+19%	847.04		1179.11

Inst.# 104556		
QC Daily Source		
Date	Result (µrem/hr)	P/F
8/12/2019	4	Pass
8/12/2019	5	Pass
8/13/2019	5	Pass
8/13/2019	5	Pass
8/14/2019	5	Pass
8/14/2019	5	Pass
8/15/2019	5	Pass
8/15/2019	5	Pass
8/16/2019	4	Pass
8/16/2019	5	Pass
8/19/2019	5	Pass
8/19/2019	5	Pass
8/20/2019	5	Pass
8/20/2019	4	Pass
8/21/2019	4	Pass
8/21/2019	5	Pass
8/22/2019	5	Pass
8/22/2019	5	Pass
8/23/2019	5	Pass
8/23/2019	5	Pass
8/26/2019	5	Pass
8/26/2019	4	Pass
8/27/2019	4	Pass
8/27/2019	4	Pass
8/28/2019	5	Pass
8/28/2019	5	Pass
8/29/2019	5	Pass
8/29/2019	5	Pass
8/30/2019	5	Pass
8/30/2019	5	Pass
9/3/2019	5	Pass
9/3/2019	5	Pass
9/4/2019	5	Pass
9/4/2019	5	Pass
9/9/2019	4	Pass
9/9/2019	5	Pass
9/12/2019	5	Pass
9/12/2019	4	Pass
9/13/2019	5	Pass
9/13/2019	5	Pass
9/30/2019	5	Pass
9/30/2019	5	Pass
10/7/2019	5	Pass
10/7/2019	5	Pass
10/11/2019	5	Pass
10/11/2019	5	Pass
10/21/2019	4	Pass
10/21/2019	5	Pass
11/1/2019	5	Pass
11/1/2019	5	Pass
11/8/2019	4	Pass
11/8/2019	5	Pass

Inst.# 104556		Source Ser. #	Bkg
Initial Source Readings		Nuclide	Bkg
Date	Result (µrem/hr)		
8/12/2019	4		
8/12/2019	5		
8/12/2019	5		
8/12/2019	4		
8/12/2019	4		
8/12/2019	5		
8/12/2019	4		
8/12/2019	4		
8/12/2019	5		
8/12/2019	5		
	Average		
	5		

Inst.# 104556		
QC Daily Source		
Date	Result (µrem/hr)	P/F
8/12/2019	100	Pass
8/12/2019	100	Pass
8/13/2019	100	Pass
8/13/2019	90	Pass
8/14/2019	100	Pass
8/14/2019	100	Pass
8/15/2019	100	Pass
8/15/2019	100	Pass
8/16/2019	90	Pass
8/16/2019	100	Pass
8/19/2019	100	Pass
8/19/2019	100	Pass
8/20/2019	90	Pass
8/20/2019	100	Pass
8/21/2019	100	Pass
8/21/2019	100	Pass
8/22/2019	100	Pass
8/22/2019	100	Pass
8/23/2019	90	Pass
8/23/2019	100	Pass
8/26/2019	100	Pass
8/26/2019	100	Pass
8/27/2019	100	Pass
8/27/2019	100	Pass
8/28/2019	100	Pass
8/28/2019	100	Pass
8/29/2019	100	Pass
8/29/2019	100	Pass
8/30/2019	100	Pass
8/30/2019	100	Pass
9/3/2019	100	Pass
9/3/2019	100	Pass
9/4/2019	100	Pass
9/4/2019	100	Pass
9/9/2019	100	Pass
9/9/2019	100	Pass
9/12/2019	90	Pass
9/12/2019	100	Pass
9/19/2019	90	Pass
9/19/2019	90	Pass
9/30/2019	100	Pass
9/30/2019	90	Pass
10/7/2019	100	Pass
10/7/2019	100	Pass
10/11/2019	100	Pass
10/11/2019	100	Pass
10/21/2019	100	Pass
10/21/2019	90	Pass
11/1/2019	90	Pass
11/1/2019	90	Pass
11/8/2019	100	Pass
11/8/2019	90	Pass

Inst.# 104556		Source Ser. # 1592-30-1	
Initial Source Readings		Nuclide	Co-60
Date	Result (µrem/hr)		
8/12/2019	90		
8/12/2019	90		
8/12/2019	100		
8/12/2019	100		
8/12/2019	100		
8/12/2019	90		
8/12/2019	90		
8/12/2019	90		
8/12/2019	100		
	Average		
	95		

Model 2221r with 44-20  
176952/PR262403

Inst.# 176952		
QC Daily Source		
Date	Result (cpm)	P/F
8/12/2019	7564	Pass
8/12/2019	7875	Pass
8/13/2019	7682	Pass
8/13/2019	7780	Pass
8/14/2019	7258	Pass
8/14/2019	8124	Pass
8/15/2019	7587	Pass
8/15/2019	7765	Pass
8/16/2019	7652	Pass
8/16/2019	7729	Pass
8/19/2019	7029	Pass
8/19/2019	7762	Pass
8/20/2019	7105	Pass
8/20/2019	7709	Pass
8/21/2019	7081	Pass
8/21/2019	7210	Pass
8/22/2019	7165	Pass
8/22/2019	7503	Pass
8/23/2019	7508	Pass
8/23/2019	7331	Pass
8/26/2019	7380	Pass
8/26/2019	7841	Pass
8/27/2019	7177	Pass
8/27/2019	7442	Pass
8/28/2019	7369	Pass
8/28/2019	7533	Pass
8/29/2019	7797	Pass
8/29/2019	7499	Pass
8/30/2019	7271	Pass
8/30/2019	7544	Pass
9/3/2019	7225	Pass
9/3/2019	7039	Pass

Inst.# 176952		Source Ser. #	Bkg
Initial Source Readings		Nuclide	Bkg
Date	Result (cpm)		
8/12/2019	7946		
8/12/2019	7715		
8/12/2019	7922		
8/12/2019	7904		
8/12/2019	7629		
8/12/2019	7678		
8/12/2019	7769		
8/12/2019	7795		
8/12/2019	7679		
8/12/2019	7702		
	Average		
	7774		

9/4/2019	7223	Pass
9/4/2019	7450	Pass
9/9/2019	7146	Pass
9/9/2019	7477	Pass
9/12/2019	7740	Pass
9/12/2019	7622	Pass
9/19/2019	7643	Pass
9/19/2019	7608	Pass
9/26/2019	7782	Pass
9/26/2019	7569	Pass
9/27/2019	7245	Pass
9/27/2019	7533	Pass
9/30/2019	7666	Pass
9/30/2019	7329	Pass
10/1/2019	7786	Pass
10/1/2019	7669	Pass
10/3/2019	7544	Pass
10/3/2019	7269	Pass
10/4/2019	7333	Pass
10/4/2019	7543	Pass
10/8/2019	7929	Pass
10/8/2019	7763	Pass
10/9/2019	7677	Pass
10/9/2019	7540	Pass
10/10/2019	7239	Pass
10/10/2019	7529	Pass
10/11/2019	7995	Pass
10/11/2019	7741	Pass
10/15/2019	7325	Pass
10/15/2019	7824	Pass
10/16/2019	7427	Pass
10/16/2019	7515	Pass
10/17/2019	7276	Pass
10/17/2019	7304	Pass
10/18/2019	7497	Pass

Model 2221r with 44-20  
176952/PR262403

10/18/2019	7792	Pass
10/21/2019	7263	Pass
10/21/2019	7281	Pass
10/22/2019	7399	Pass
10/22/2019	7258	Pass
10/23/2019	7886	Pass
10/23/2019	7583	Pass
10/24/2019	7973	Pass
10/24/2019	7773	Pass
10/25/2019	7432	Pass
10/25/2019	7864	Pass
10/29/2019	7476	Pass
10/29/2019	8086	Pass
11/1/2019	8450	Pass
11/1/2019	8255	Pass
11/5/2019	7968	Pass
11/5/2019	7731	Pass
11/6/2019	7826	Pass
11/6/2019	7929	Pass
11/7/2019	7801	Pass
11/7/2019	7654	Pass
11/11/2019	8046	Pass
11/11/2019	8195	Pass
11/14/2019	7855	Pass
11/14/2019	8045	Pass
11/15/2019	7933	Pass
11/15/2019	7310	Pass
11/18/2019	8646	Pass
11/18/2019	8448	Pass
11/19/2019	6909	Pass

Model 2221r with 44-20  
176952/PR262403



Model 2221r with 44-20  
176952/PR262403

Inst.# 176952		
QC Daily Source		
Date	Result (cpm)	P/F
11/19/2109	6963	Pass
11/20/2019	7659	Pass
11/20/2019	7630	Pass

Inst.# 176952		Source Ser. #	Bkg
Initial Source Readings		Nuclide	Bkg
Date	Result (cpm)		
8/12/2019	7946		
8/12/2019	7715		
8/12/2019	7922		
8/12/2019	7904		
8/12/2019	7629		
8/12/2019	7678		
8/12/2019	7769		
8/12/2019	7795		
8/12/2019	7679		
8/12/2019	7702		
	Average		
	7774		

Model 2221r with 44-20  
176952/PR262403

Inst.# 176952		
QC Daily Source		
Date	Result (cpm)	P/F
8/12/2019	105662	Pass
8/12/2019	109556	Pass
8/13/2019	101888	Pass
8/13/2019	103146	Pass
8/14/2019	103802	Pass
8/14/2019	103466	Pass
8/15/2019	103629	Pass
8/15/2019	104324	Pass
8/16/2019	103111	Pass
8/16/2019	103478	Pass
8/19/2019	107076	Pass
8/19/2019	103488	Pass
8/20/2019	105703	Pass
8/20/2019	107279	Pass
8/21/2019	106957	Pass
8/21/2019	104637	Pass
8/22/2019	114472	Pass
8/22/2019	102483	Pass
8/23/2019	117101	Pass
8/23/2019	110721	Pass
8/26/2019	100999	Pass
8/26/2019	101822	Pass
8/27/2019	106325	Pass
8/27/2019	102509	Pass
8/28/2019	106016	Pass
8/28/2019	104891	Pass
8/29/2019	114932	Pass
8/29/2019	105891	Pass
8/30/2019	118006	Pass
8/30/2019	105688	Pass
9/3/2019	102995	Pass
9/3/2019	107963	Pass

Inst.# 176952		Source Ser. #	1592-30-1
Initial Source Readings		Nuclide	Co-60
Date	Result (cpm)		
8/12/2019	103434		
8/12/2019	109309		
8/12/2019	109408		
8/12/2019	102208		
8/12/2019	109090		
8/12/2019	108413		
8/12/2019	103494		
8/12/2019	101139		
8/12/2019	112232		
8/12/2019	103272		
	Average		
	106200		

9/4/2019	115263	Pass
9/4/2019	105722	Pass
9/9/2019	106054	Pass
9/9/2019	102404	Pass
9/12/2019	106788	Pass
9/12/2019	103679	Pass
9/19/2019	102593	Pass
9/19/2019	102394	Pass
9/26/2019	101367	Pass
9/26/2019	104328	Pass
9/27/2019	105811	Pass
9/27/2019	103466	Pass
9/30/2019	105746	Pass
9/30/2019	106532	Pass
10/1/2019	103481	Pass
10/1/2019	103279	Pass
10/3/2019	103871	Pass
10/3/2019	102811	Pass
10/4/2019	105673	Pass
10/4/2019	104661	Pass
10/8/2019	105633	Pass
10/8/2019	105422	Pass
10/9/2019	108562	Pass
10/9/2019	104329	Pass
10/10/2019	103970	Pass
10/10/2019	102678	Pass
10/11/2019	99085	Pass
10/11/2019	102342	Pass
10/15/2019	106041	Pass
10/15/2019	104430	Pass
10/16/2019	99986	Pass
10/16/2019	103838	Pass
10/17/2019	104978	Pass
10/17/2019	108994	Pass
10/18/2019	102382	Pass

Model 2221r with 44-20  
176952/PR262403

10/18/2019	106522	Pass
10/21/2019	103035	Pass
10/21/2019	101392	Pass
10/22/2019	102864	Pass
10/22/2019	103561	Pass
10/23/2019	102613	Pass
10/23/2019	107759	Pass
10/24/2019	105941	Pass
10/24/2019	104215	Pass
10/25/2019	107533	Pass
10/25/2019	106392	Pass
10/29/2019	99839	Pass
10/29/2019	101228	Pass
11/1/2019	105531	Pass
11/1/2019	106737	Pass
11/5/2019	104360	Pass
11/5/2019	107411	Pass
11/6/2019	103874	Pass
11/6/2019	106931	Pass
11/7/2019	104792	Pass
11/7/2019	102780	Pass
11/11/2019	105192	Pass
11/11/2019	104512	Pass
11/14/2019	101595	Pass
11/14/2019	102593	Pass
11/15/2019	104511	Pass
11/15/2019	105129	Pass
11/18/2019	101927	Pass
11/18/2019	117320	Pass
11/19/2019	112647	Pass

Model 2221r with 44-20  
176952/PR262403

Model 2221r with 44-20  
176952/PR262403

Inst.# 176952		
QC Daily Source		
Date	Result (cpm)	P/F
11/19/2019	104108	Pass
11/20/2019	108308	Pass
11/20/2019	110238	Pass

Inst.# 176952		Source Ser. #	1592-30-1
Initial Source Readings		Nuclide	Co-60
Date	Result (cpm)		
8/12/2019	103434		
8/12/2019	109309		
8/12/2019	109408		
8/12/2019	102208		
8/12/2019	109090		
8/12/2019	108413		
8/12/2019	103494		
8/12/2019	101139		
8/12/2019	112232		
8/12/2019	103272		
	Average		
	106200		

## CABRERA ALPHA-BETA COUNTING INSTRUMENT (Rev 6)

Counting Instrument:			2929		Detector:		43-10-1		Calibration Date:			2/26/2020								
Serial #:			142654		Serial #:		PR145340		12 month calibration:			OK								
Detector Active Area or Area Covered by Smear (cm <sup>2</sup> ):							100													
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source- Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm						
Alpha	0.3521	Th-230	3973-02	15,700	8/21/2012	7.54E+04	15,699	20	10	1	0.10	0.09	5250.5	86.39						
Beta	0.1689	Tc-99	3975-02	17,700	8/21/2012	2.11E+05	17,700	200	10	1	37.77	1.49	3042.5	55.58						
Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials		
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta								
3/9/2020	1	350	5211	3082	0.1	35.0	5210.9	3047.0	PASS	PASS	PASS	PASS	11.62	139	Yes	Yes		KR		
3/9/2020	1	393	5321	3171	0.1	39.3	5320.9	3131.7	PASS	PASS	PASS	PASS	11.62	146	Yes	Yes		KR		
3/10/2020	2	380	5218	3135	0.2	38.0	5217.8	3097.0	PASS	PASS	PASS	PASS	12.90	144	Yes	Yes		KR		
3/10/2020	1	411	5113	3104	0.1	41.1	5112.9	3062.9	PASS	QUESTION	PASS	PASS	11.62	149	Yes	Yes		KR		
3/10/2020	1	396	5113	3104	0.1	39.6	5112.9	3064.4	PASS	PASS	PASS	PASS	11.62	146	Yes	Yes		KR		
3/11/2020	2	379	5216	3128	0.2	37.9	5215.8	3090.1	PASS	PASS	PASS	PASS	12.90	144	Yes	Yes		KR		
3/11/2020	1	396	5320	3143	0.1	39.6	5319.9	3103.4	PASS	PASS	PASS	PASS	11.62	146	Yes	Yes		KR		
3/12/2020	2	377	5106	3122	0.2	37.7	5105.8	3084.3	PASS	PASS	PASS	PASS	12.90	143	Yes	Yes		KR		
3/12/2020	1	346	5231	3040	0.1	34.6	5230.9	3005.4	PASS	QUESTION	PASS	PASS	11.62	138	Yes	Yes		KR		
3/12/2020	0	397	5231	3040	0.0	39.7	5231.0	3000.3	PASS	PASS	PASS	PASS	8.52	146	Yes	Yes		KR		
3/13/2020	1	394	5294	3087	0.1	39.4	5293.9	3047.6	PASS	PASS	PASS	PASS	11.62	146	Yes	Yes		KR		
3/13/2020	1	398	5258	3098	0.1	39.8	5257.9	3058.2	PASS	PASS	PASS	PASS	11.62	147	Yes	Yes		KR		

# CABRERA ALPHA-BETA COUNTING INSTRUMENT

Ludlum  
2929/43-10-1

(Rev 6)									
Initial Background and Source Counts for Control Chart									
#	Initial bkg counts				Initial source plus bkg counts				
	Alpha	cpm	Beta	cpm	Alpha	cpm	Beta	cpm	
1	1	0.1	360	36	5269	5269	2953	2953	
2	1	0.1	367	36.7	5268	5268	3114	3114	
3	1	0.1	382	38.2	5139	5139	3084	3084	
4	2	0.2	401	40.1	5366	5366	3104	3104	
5	1	0.1	384	38.4	5342	5342	3026	3026	
6	0	0	387	38.7	5241	5241	3137	3137	
7	0	0	397	39.7	5365	5365	3083	3083	
8	3	0.3	370	37	5161	5161	3134	3134	
9	1	0.1	357	35.7	5162	5162	3108	3108	
10	0	0	372	37.2	5193	5193	3060	3060	
Mean		0.10		37.8		5250.6		3080.3	
S <sub>(n-1)</sub>		0.09		1.49		86.37		55.93	
-3 sigma		-0.18		33.29		4991.48		2912.52	
+3 sigma		0.38		42.25		5509.72		3248.08	
-2 sigma		-0.09		34.78		5077.85		2968.45	
+2 sigma		0.29		40.76		5423.35		3192.15	
					Mean-bkg	5250.5		3042.5	
					S <sub>(n-1)</sub>	86.39		55.58	
					Mean-bkg	-3 sigma	4991.34	2875.78	
					Mean-bkg	+3 sigma	5509.66	3209.28	
					Mean-bkg	-2 sigma	5077.73	2931.36	
					Mean-bkg	+2 sigma	5423.27	3153.70	

Counting Instrument:	Ludlum 2360	Detector:	43-93	Calibration Date:	2/12/2020
Serial #:	276943	Serial #:	PR199841	12 month calibration:	OK

Detector Active Area or Area Covered by Smear (cm <sup>2</sup> ):						100								
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm
Alpha	0.1028	Th-230	3973-02	15,700	8/21/2012	7.54E+04	15,699	100	2	2	0.95	0.64	2757.0	38.71
Beta	0.2044	Tc-99	3975-02	17,700	8/21/2012	2.11E+05	17,700	1000	2	2	106.30	6.54	2218.6	36.85

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						
3/9/2020	4	232	5534	4631	2.0	116.0	2765.0	2199.5	PASS	PASS	PASS	PASS	59.84	181	Yes	Yes		KR
3/9/2020	0	219	5529	4525	0.0	109.5	2764.5	2153.0	PASS	PASS	PASS	PASS	14.59	176	Yes	Yes		KR
3/10/2020	1	242	5543	4660	0.5	121.0	2771.0	2209.0	PASS	PASS	PASS	PASS	37.21	184	Yes	Yes		KR
3/10/2020	3	208	5510	4633	1.5	104.0	2753.5	2212.5	PASS	PASS	PASS	PASS	53.78	171	Yes	Yes		KR
3/11/2020	2	229	5626	4663	1.0	114.5	2812.0	2217.0	PASS	PASS	PASS	PASS	46.59	180	Yes	Yes		KR
3/11/2020	2	202	5508	4546	1.0	101.0	2753.0	2172.0	PASS	PASS	PASS	PASS	46.59	169	Yes	Yes		KR
3/12/2020	1	257	5615	4825	0.5	128.5	2807.0	2284.0	PASS	QUESTION	PASS	PASS	37.21	190	Yes	Yes		KR
3/12/2020	1	249	5615	4825	0.5	124.5	2807.0	2288.0	PASS	PASS	PASS	PASS	37.21	187	Yes	Yes		KR
3/12/2020	2	237	5418	4702	1.0	118.5	2708.0	2232.5	PASS	PASS	PASS	PASS	46.59	183	Yes	Yes		KR
3/13/2020	1	226	5446	4783	0.5	113.0	2722.5	2278.5	PASS	PASS	PASS	PASS	37.21	178	Yes	Yes		KR
3/13/2020	2	198	5467	4643	1.0	99.0	2732.5	2222.5	PASS	PASS	PASS	PASS	46.59	167	Yes	Yes		KR



Ludlum 2360/43-93  
276943/199841

Initial Background and Source Counts for Control Chart								
#	Initial bkg counts				Initial source plus bkg counts			
	Alpha	cpm	Beta	cpm	Alpha	cpm	Beta	cpm
1	1	0.5	233	116.5	5596	2798	4635	2317.5
2	2	1	220	110	5502	2751	4661	2330.5
3	3	1.5	217	108.5	5482	2741	4707	2353.5
4	0	0	192	96	5524	2762	4652	2326
5	2	1	210	105	5548	2774	4710	2355
6	2	1	212	106	5540	2770	4622	2311
7	3	1.5	204	102	5391	2695.5	4731	2365.5
8	2	1	231	115.5	5414	2707	4624	2312
9	0	0	199	99.5	5509	2754.5	4469	2234.5
10	4	2	208	104	5652	2826	4686	2343
Mean		0.95		106.3		2757.9		2324.9
S <sub>(n-1)</sub>		0.64		6.54		38.73		37.00
Zero		0.00		53.15		2206.32		1859.88
+99% CV		6.36		133.03		3309.48		2789.82
Zero		0.00		79.73		2233.90		1883.13
+95% CV		4.21		124.65		3281.90		2766.57
					Mean-bkg	2757.0		2218.6
					S <sub>(n-1)</sub>	38.71		36.85
				Mean-bkg	-3 sigma	2640.82		2108.00
				Mean-bkg	+3 sigma	2873.08		2329.10
				Mean-bkg	-2 sigma	2679.53		2144.85
				Mean-bkg	+2 sigma	2834.37		2292.25

Counting Instrument:	Ludlum 2360	Detector:	43-37	Calibration Date:	2/28/2020
Serial #:	220242	Serial #:	PR124946	12 month calibration:	OK

Detector Active Area or Area Covered by Smear (cm <sup>2</sup> ):							584							
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm
<b>Alpha</b>	0.0757	Th-230	3973-02	15,700	8/21/2012	7.54E+04	15,699	100	2	2	5.75	1.38	2393.6	36.06
<b>Beta</b>	0.1930	Tc-99	3975-02	17,700	8/21/2012	2.11E+05	17,700	1000	2	2	763.05	30.94	3590.1	52.99

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						
3/9/2020	16	1474	4822	8874	8.0	737.0	2403.0	3700.0	PASS	PASS	PASS	PASS	24.53	81	Yes	Yes		BB
3/9/2020	10	1492	4769	8665	5.0	746.0	2379.5	3586.5	PASS	PASS	PASS	PASS	20.10	81	Yes	Yes		BB
3/10/2020	13	1534	4909	8719	6.5	767.0	2448.0	3592.5	PASS	PASS	PASS	PASS	22.44	82	Yes	Yes		BB/KR
3/10/2020	19	1566	5158	8424	9.5	783.0	2569.5	3429.0	PASS	PASS	PASS	PASS	26.42	83	Yes	Yes		BB/KR
3/11/2020	13	1519	4848	8750	6.5	759.5	2417.5	3615.5	PASS	PASS	PASS	PASS	22.44	82	Yes	Yes		BB/KR
3/11/2020	19	1591	4816	8519	9.5	795.5	2398.5	3464.0	PASS	PASS	PASS	PASS	26.42	84	Yes	Yes		BB/KR
3/13/2020	10	1556	4975	8780	5.0	778.0	2482.5	3612.0	PASS	PASS	PASS	PASS	20.10	83	Yes	Yes		BB/KR
3/13/2020	13	1531	5087	8683	6.5	765.5	2537.0	3576.0	PASS	PASS	PASS	PASS	22.44	82	Yes	Yes		BB/KR

Ludlum 2360/43-37  
220242/PR124946

Initial Background and Source Counts for Control Chart								
#	Initial bkg counts				Initial source plus bkg counts			
	Alpha	cpm	Beta	cpm	Alpha	cpm	Beta	cpm
1	13.00	6.5	1465.00	732.5	4755	2377.5	8829	4414.5
2	12.00	6	1429.00	714.5	4810	2405	8712	4356
3	10.00	5	1490.00	745	4784	2392	8646	4323
4	8.00	4	1479.00	739.5	4724	2362	8678	4339
5	10.00	5	1594.00	797	4838	2419	8728	4364
6	14.00	7	1513.00	756.5	4854	2427	8631	4315.5
7	7.00	3.5	1576.00	788	4792	2396	8835	4417.5
8	13.00	6.5	1519.00	759.5	4666	2333	8735	4367.5
9	16.00	8	1590.00	795	4840	2420	8607	4303.5
10	12.00	6	1606.00	803	4924	2462	8661	4330.5
Mean	11.50	5.75	1526.1	763.1		2399.4		4353.1
S <sub>(n-1)</sub>		1.38		30.94		36.32		39.07
Zero		0.00		381.53	-20%	1919.48		3482.48
99% CV		14.22		830.02	+20%	2879.22		5223.72
Zero		0.00		572.29	-19%	1943.47		3526.01
95% CV		11.18		809.86	+19%	2855.23		5180.19
					Mean-bkg	2393.6		3590.1
					S <sub>(n-1)</sub>	36.06		52.99
					Mean-bkg	-20%	1914.88	2872.04
					Mean-bkg	+20%	2872.32	4308.06
					Mean-bkg	-19%	1938.82	2907.94
					Mean-bkg	+19%	2848.38	4272.16

Counting Instrument:	Ludlum 2360	Detector:	43-37	Calibration Date:	11/11/2019
Serial #:	275739	Serial #:	PR302114	12 month calibration:	OK

Detector Active Area or Area Covered by Smear (cm <sup>2</sup> ):						584								
	Efficiency (fraction)	Source Nuclide	Source Number	Original Source Activity (DPM)	Source Creation Date	T <sub>1/2</sub> (yr)	Source Decayed Activity	Required MDA (DPM/100cm <sup>2</sup> )	Control Chart & Daily Bkg Count Time	Control Chart & Daily Source-Sample Count Time	Control Chart bkg Average α/β cpm	Control Chart bkg 1 sigma, cpm	Control Chart Source-bkg Average α/β cpm	Control Chart source 1 sigma, cpm
Alpha	0.0760	Th-230	M6-837	5,521	6/16/2015	7.54E+04	5,521	100	2	2	5.40	1.05	829.3	22.86
Beta	0.1970	Tc-99	M6-836	5,976	6/16/2015	2.11E+05	5,976	1000	2	2	770.15	27.99	798.3	13.25

Date	Daily Bkg Counts		Daily Check Source Counts		Daily Bkg Rate (cpm)		Net Daily Source Rate (cpm)		Bkg QC Pass/Fail		Source QC Pass/Fail		MDA α (dpm)	MDA β (dpm)	α MDA OK?	β MDA OK?	H.P. Technician	Technician Initials
	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta	Alpha	Beta						
11/13/2019	10	1569	1558	3114	5.0	784.5	774.0	772.5	PASS	PASS	PASS	PASS	20.02	82	Yes	Yes		BB/DL
11/14/2019	5	1517	1572	3116	2.5	758.5	783.5	799.5	PASS	PASS	PASS	PASS	15.15	80	Yes	Yes		DA/DL
11/14/2019	19	1556	1560	3016	9.5	778.0	770.5	730.0	PASS	PASS	PASS	PASS	26.32	81	Yes	Yes		BB/DL
11/15/2019	7	1495	1606	3095	3.5	747.5	799.5	800.0	PASS	PASS	PASS	PASS	17.31	80	Yes	Yes		DA/DL
11/15/2019	17	1573	1453	2956	8.5	786.5	718.0	691.5	PASS	PASS	PASS	PASS	25.08	82	Yes	Yes		DA/DL
11/18/2019	11	1571	1378	3175	5.5	785.5	683.5	802.0	PASS	PASS	PASS	PASS	20.83	82	Yes	Yes		DA/DL
11/18/2019	20	1623	1687	3141	10.0	811.5	833.5	759.0	PASS	PASS	PASS	PASS	26.91	83	Yes	Yes		DL/DA
11/19/2019	8	1539	1664	3218	4.0	769.5	828.0	839.5	PASS	PASS	PASS	PASS	18.27	81	Yes	Yes		DA
11/19/2019	14	1565	1442	3010	7.0	782.5	714.0	722.5	PASS	PASS	PASS	PASS	23.07	82	Yes	Yes		DL
11/20/2019	12	1588	1409	3082	6.0	794.0	698.5	747.0	PASS	PASS	PASS	PASS	21.61	82	Yes	Yes		DA
11/20/2019	19	1632	1625	3036	9.5	816.0	803.0	702.0	PASS	PASS	PASS	PASS	26.32	83	Yes	Yes		DA
11/21/2019	20	1607	1550	3163	10.0	803.5	765.0	778.0	PASS	PASS	PASS	PASS	26.91	83	Yes	Yes		DA
11/21/2019	14	1631	1551	3171	7.0	815.5	768.5	770.0	PASS	PASS	PASS	PASS	23.07	83	Yes	Yes		DA

Counting Instrument:	Ludlum 2360	Detector:	43-37
Serial #:	275739	Serial #:	PR302114

Initial Background and Source Counts for Control Chart								
#	Initial bkg counts				Initial source plus bkg counts			
	Alpha	cpm	Beta	cpm	Alpha	cpm	Beta	cpm
1	12.00	6	1420.00	710	1633	816.5	3073	1536.5
2	8.00	4	1539.00	769.5	1674	837	3131	1565.5
3	12.00	6	1506.00	753	1597	798.5	3079	1539.5
4	13.00	6.5	1565.00	782.5	1701	850.5	3152	1576
5	9.00	4.5	1503.00	751.5	1733	866.5	3134	1567
6	12.00	6	1591.00	795.5	1676	838	3183	1591.5
7	10.00	5	1559.00	779.5	1643	821.5	3148	1574
8	14.00	7	1622.00	811	1744	872	3203	1601.5
9	8.00	4	1529.00	764.5	1651	825.5	3131	1565.5
10	10.00	5	1569.00	784.5	1641	820.5	3135	1567.5
Mean	10.80	5.40	1540.3	770.2		834.7		1568.5
S <sub>(n-1)</sub>		1.05		27.99		23.02		19.97
Zero		0.00		350.00	-20%	667.72		1254.76
99% CV		70.00		1160.00	+20%	1001.58		1882.14
Zero		0.00		600.00	-19%	676.07		1270.44
95% CV		10.00		850.00	+19%	993.23		1866.46
					Mean-bkg	829.3		798.3
					S <sub>(n-1)</sub>	22.86		13.25
				Mean-bkg	-20%	663.40		638.64
				Mean-bkg	+20%	995.10		957.96
				Mean-bkg	-19%	671.69		646.62
				Mean-bkg	+19%	986.81		949.98



Designer and Manufacturer  
of  
Scientific and Industrial  
Instruments

# CERTIFICATE OF CALIBRATION

**LUDLUM MEASUREMENTS, INC.**

501 Oak Street  
325-235-5494  
Sweetwater, TX 79556, U.S.A.



CERT # 4084.01

Customer CABRERA SERVICES ORDER NO. 20349840/474802

Mfg. Ludlum Measurements, Inc. Model 2929 Serial No. 155527

Mfg. Ludlum Measurements, Inc. Model 43-10-1 Serial No. PR157789

Cal. Date 20-Feb-19 Cal Due Date 20-Feb-20 Cal. Interval 1 Year Meterface 202-014

Check mark ☒ applies to applicable instr. and/or detector IAW mfg. spec. T. 73 °F RH 48 % Alt 688.0 mm Hg

☐ New Instrument ☐ Instrument Received ☐ Within Toler.  $\pm 10\%$  ☐ 10-20% ☐ Out of Tol. ☐ Requiring Repair ☐ Other-See comments

☐ Mechanical ck. ☒ Window Operation

☒ Audio ck.

☒ Meter Zeroed Alpha Sensitivity 175 mV Beta Sensitivity 4 mV Beta Window 50 mV

☐ Calibrated in accordance with LMI SOP 14.8 ☐ Calibrated in accordance with LMI SOP 14.9

Instrument Volt Set 750 V 3.05 on High Voltage dial. High Voltage set with detector connected.

☒ HV Readout (2 points) Ref./Inst. 500 1.502 V Ref./Inst. 2000 1.2002 V

## COMMENTS:

Tc99 SN:5280, Size:93200dpm, Counts:35824cpm, Background:63cpm, 4pi Eff:38.15%  
Th230 SNE121495 Size:19800dpm, Counts:6554cpm, Background:1cpm, 4pi Eff:33.09%

Gamma Calibration: GM detectors positioned perpendicular to source except for M 44-S in which the front of probe faces source.

	REFERENCE CAL POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*
Alpha Channel Digital Readout	400K cpm	39962(0)	39962(0)
	40K cpm	3996	3996
	4K cpm	399	399
	400 cpm	40	40
	40 cpm	4	4
Beta/Gamma Channel Digital Readout	400K cpm	39958(0)	39958(0)
	40K cpm	3996	3996
	4K cpm	399	399
	400 cpm	40	40
	40 cpm	4	4

\*Uncertainty within  $\pm 10\%$  C.F. within  $\pm 20\%$

Ludlum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of other International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques. The calibration system conforms to the requirements of ANSI/NCCL Z540-1-1994 and ANSI N323-1978.

ISO/IE 17025:2005(E)

State of Texas Calibration License No. LO-1963

Reference Instruments and/or Sources: Cs-137 S/N: ☐ 089 ☐ 3171CP ☐ 2261CP ☐ 720 ☐ 734 ☐ 781 ☐ 1181 ☐ 1016 ☐ 1696 ☐ 1909 ☐ 1816CP ☐ 2324/2521

☐ 5717CO ☐ 5719CO ☐ 60646 ☐ 70897 ☐ 73410 ☐ E852 ☐ G112 ☐ 2188CP ☐ S-384 ☐ S-1054 ☐ T10081 ☐ T10082 Neutron Am-241 Be ☐ T-304 Ra-226 ☐ Y962

☒ Alpha S/N Pu239 SN:7053 ☒ Beta S/N Tc99 SN:5280, C14 SN:1476 ☐ Other

☒ m 500 S/N 190586 ☐ Oscilloscope S/N ☒ Multimeter S/N 86250390

Calibrator Jason Flores Title Calibrator Date 20-Feb-19

QC'd By Rhonda H Title Final QC Date 20 Feb 19

This certificate shall not be reproduced except in full, without the written approval of Ludlum Measurements, Inc.

FORM C25 10/03/2017

Page 1 of 2

AC Inst. Only ☐ Passed Dielectric (Hi-Pot) and Continuity Test ☐ Failed



Designer and Manufacturer  
of  
Scientific and Industrial  
Instruments

LUDLUM MEASUREMENTS, INC.

501 Oak Street  
325-235-5494  
Sweetwater, TX 79556, U.S.A



### Bench Test Data For Detector

Customer CABRERA SERVICES

ORDER NO. 20349840/474802

Detector 43-10-1 Serial No. *P457789*

Alpha Input Sensitivity 125 mV

Counter 2929 Serial No. 155577

Beta Input Sensitivity 4 mV

Count Time 1Minute

Beta Window 50 mV

Other \_\_\_\_\_ Distance Source to Detector TRAV

[illegible]

- |                          |  |  |
|--------------------------|--|--|
| <input type="checkbox"/> | Gas Proportional detector count rate decreased | 10% after 15 hour static test using 39" cable.                       |
| <input type="checkbox"/> | Gas proportional detector count rate decreased | 10% after 5 hour static test using 39" cable and alpha/beta counter. |

Signature Jason Flores

Date 20 Feb 19



# Certificate of Calibration

## Calibration and Voltage Plateau

Environmental Restoration Group, Inc.  
8809 Washington St NE, Suite 150  
Albuquerque, NM 87113  
(505) 298-4234  
www.ERGoffice.com

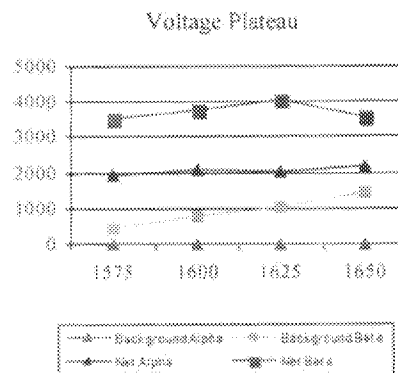
Meter: Manufacturer: Ludlum Model Number: 2360 Serial Number: 215271  
Detector: Manufacturer: Ludlum Model Number: 43-37 Serial Number: PK216985

☒ Mechanical Check ☒ THR/WIN Operation HV Check (+/- 2.5%): ☒ 500 V ☒ 1000 V ☒ 1500 V  
☐ F/S Response Check ☒ Reset Check Cable Length: ☐ 39-inch ☐ 72-inch ☒ Other: 60"  
☒ Geotropism ☒ Audio Check  
☒ Meter Zeroed ☒ Battery Check (Min 4.4 VDC) Alpha Threshold: 100 mV Barometric Pressure: 24.39 inches Hg  
Source Distance: ☒ Contact ☐ 6 inches ☐ Other: Beta Threshold: 4 Temperature: 72 °F  
Source Geometry: ☐ Side ☒ Below ☐ Other: Beta Window: 40 mV Relative Humidity: 20 %

Instrument found within tolerance: ☒ Yes ☐ No

Range/Multiplier	Reference Setting	"As Found Reading"	Meter Reading	Integrated 1-Min. Count	
				$\alpha$	$\beta$
x 1000	400 Kcpm	400	400	398989	398993
x 1000	100 Kcpm	100	100		
x 100	40 Kcpm	400	400	39912	39913
x 100	10 Kcpm	100	100		
x 10	4 Kcpm	400	400	3993	3993
x 10	1 Kcpm	100	100		
x 1	400 cpm	400	400	400	399
x 1	100 cpm	100	100		

High Voltage	Alpha Source		Beta Source		Background	
	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$
1575	1919	1440	8	3989	6	470
1600	2069	1610	13	4545	13	795
1625	2047	1924	21	5114	13	1060
1650	2185	2154	39	4987	17	1444



Comments: HV Plateau Scaler Count Time = 1 min. Recommended HV = 1600 @ 5200'

### Reference Instruments and/or Sources:

Ludlum pulser serial number: ☐ 97743 ☒ 201932

Fluke multimeter serial number ☒ 87490128

☒ Alpha Source: Th-230 src: 4098-03 @ 12,800 dpm/6,520 cpm (1/4/12)

☐ Gamma Source: Cs-137 @ 5.2 uCi (1/4/12) src: 4097-03

☒ Beta Source: 4099 src: 4099-03 @ 17,700 dpm/11,100 cpm (1/4/12)

☐ Other Source:

Calibrated By:

Calibration Date: 3/4/19

Calibration Due: 3/4/20

Reviewed By:

Date: 6 March 2019

ERG Form ITC, 10LC

This calibration conforms to the requirements and acceptable calibration conditions of 1551.3223-1.199





# Certificate of Calibration

Calibration and Voltage Plateau

Environmental Restoration Group, Inc.  
8809 Washington St NE, Suite 150  
Albuquerque, NM 87113  
(505) 298-4154  
www.ERGonline.com

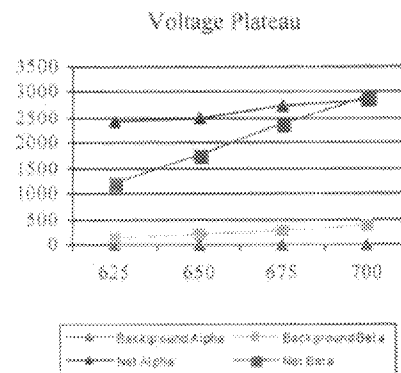
Meter: \_\_\_\_\_ Manufacturer: Ludlum Model Number: 2360 Serial Number: 184909  
Detector: \_\_\_\_\_ Manufacturer: Ludlum Model Number: 43-93 Serial Number: PR199841

☒ Mechanical Check ☒ THIR/WIN Operation HV Check (+/- 2.5%): ☒ 500 V ☒ 1000 V ☒ 1500 V  
☐ F/S Response Check ☒ Reset Check Cable Length: ☒ 39-inch ☐ 72-inch ☐ Other: \_\_\_\_\_  
☒ Geotropism ☒ Audio Check  
☒ Meter Zeroed ☒ Battery Check (Min 4.4 VDC) Alpha Threshold: 120 mV Barometric Pressure: 24.19 inches Hg  
Source Distance: ☒ Contact ☐ 6 inches ☐ Other: Beta Threshold: 4 Temperature: 75 °F  
Source Geometry: ☐ Side ☒ Below ☐ Other: Beta Window: 30 mV Relative Humidity: 20 %

Instrument found within tolerance: ☒ Yes ☐ No

Range/Multiplier	Reference Setting	"As Found Reading"	Meter Reading	Integrated 1-Min. Count	
				$\alpha$	$\beta$
x 1000	400 Kcpm	400	400	399665	399829
x 1000	100 Kcpm	100	100		
x 100	40 Kcpm	400	400	40018	39894
x 100	10 Kcpm	100	100		
x 10	4 Kcpm	400	400	3991	3992
x 10	1 Kcpm	100	100		
x 1	400 cpm	400	400	399	399
x 1	100 cpm	100	100		

High Voltage	Alpha Source		Beta Source		Background	
	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$
625	2418	356	15	1341	2	122
650	2312	431	18	1952	11	199
675	2732	534	34	2651	1	277
700	2838	742	19	3276	7	364



Comments: HV Plateau Scaler Count Time = 1 min. Recommended HV = 675

## Reference Instruments and/or Sources:

Ludlum pulser serial number: ☐ 97743 ☒ 201932

Fluke multimeter serial number ☒ 87490128

☒ Alpha Source: Th-230 sn: 4098-03@12,800dpm/6,520cpm(1/4/12)

☐ Gamma Source: Cs-137 @ 5.2 uCi (1/4/12) sn: 4097-03

☒ Beta Source: Sr-90 sn: 4099-03@17,700dpm/11,100cpm(1/4/12)

☐ Other Source:

Calibrated By: \_\_\_\_\_

Calibration Date: 2/19/19

Calibration Due: 2/19/20

Reviewed By: \_\_\_\_\_

Date: 2/20/19

ERG Form ITC-101C

This calibration conforms to the requirements and acceptable calibration uncertainties of ANSI N325.4 - 1997



# Certificate of Calibration

## Calibration and Voltage Plateau

Environmental Restoration Group, Inc.  
8800 Washington St NE, Suite 150  
Albuquerque, NM 87113  
(505) 298-4224  
www.ERGoffice.com

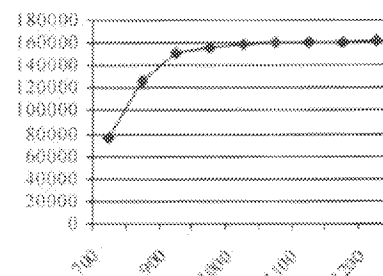
Meter: Manufacturer: Ludlum Model Number: 2221r Serial Number: 176953  
Detector: Manufacturer: Ludlum Model Number: 44-20 Serial Number: PR262403

☒ Mechanical Check ☒ THIR/WTN Operation HV Check (+/- 2.5%): ☒ 500 V ☒ 1000 V ☒ 1500 V  
☒ F/S Response Check ☒ Reset Check Cable Length: ☐ 39-inch ☐ 72-inch ☒ Other: 25'  
☒ Geotropism ☒ Audio Check  
☒ Meter Zeroed ☒ Battery Check (Min 4.4 VDC)  
Source Distance: ☐ Contact ☒ 6 inches ☐ Other: Threshold: 10 mV  
Source Geometry: ☒ Side ☐ Below ☐ Other: Window: Barometric Pressure: 24.16 inches Hg  
Temperature: 71 °F  
Relative Humidity: 20 %

Instrument found within tolerance: ☒ Yes ☐ No

Range/Multiplier	Reference Setting	"As Found Reading"	Meter Reading	Integrated 1-Min. Count	Log Scale Count
x 1000	400	400	400	400413	400
x 1000	100	100	100		100
x 100	400	400	400	40042	400
x 100	100	100	100		100
x 10	400	400	400	4003	400
x 10	100	100	100		100
x 1	400	400	400	400	400
x 1	100	100	100		100

High Voltage	Source Counts	Background
700	75750	
800	127084	
900	151436	
950	155813	
1000	157932	
1050	159456	
1100	159758	22738
1150	160733	
1200	160969	



Comments: Scaler count time 1min. Recommended HV = 1100

### Reference Instruments and/or Sources:

Ludlum pulser serial number: ☐ 97743 ☒ 201932

Fluke multimeter serial number: ☐ 87490128

☐ Alpha Source: Th-230 sn: 4098-03@12,800dpm/6,520 cpm (1/4/12)

☒ Gamma Source: Cs-137 @ 5.2 uCi (1/4/12) sn: 4097-03

☐ Beta Source: Tl-204 sn: 4099-03@17,700dpm/11,100cpm (1/4/12)

☐ Other Source:

Calibrated By:

Calibration Date: 5/21/19

Calibration Due: 5/21/20

Reviewed By:

Date: 05/21/19

ERG Form ETC 101A

This calibration conforms to the requirements and acceptable calibration conditions of ANSI N323A - 1997



Designer and Manufacturer  
of  
Scientific and Industrial  
Instruments

# CERTIFICATE OF CALIBRATION

LUDLUM MEASUREMENTS, INC.

501 Oak Street  
335.235-5454

Sweetwater: TX 79558, U.S.A.



CERT # 4054.01

Customer ENG

ORDER NO. 20344662/471403

Mfg. Ludlum Measurements, Inc. Model 140 Serial No. 104596

Model	Model	Serial No.
-------	-------	------------

Cal. Date	21-Nov-18	Cal Due Date	21-Nov-19	Cal Interval	1 Year	Meterface	202-016
-----------	-----------	--------------	-----------	--------------	--------	-----------	---------

Check mark ☒ Applies to applicable instr. and/or detector IAW mfu spec. T. 73 °F RH 24 % Alt 712.0 mm Hg

☐ New Instrument    ☐ Instrument Received    ☒ Within Toler \* -10%    ☐ 10-25%    ☐ Out of Tol.    ☐ Requiring Repair    ☐ Other-See comments☒ Mechanical ck. ☒ Meter Zeroed ☐ Background Subtract ☐ Invert Sens. Linarity☒ F/S Resp. ck ☒ Reset ck ☐ Window Operation ☒ Geotropism

☒ Audio ck. ☐ Alarm Setting ck.

☒ **Best** ☐ **OK**

☐ Calibrated in accordance with LMI SOP 14.2 ☒ Calibrated in accordance with LMI SOP 14.2

Instrument Volt Sel	700	V	Input Sens	32	mV	Det Oper	V at	mV	Threshold Dist Ratio	=	mV
---------------------	-----	---	------------	----	----	----------	------	----	-------------------------	---	----

<input type="checkbox"/> HV Readout (2 points)	Ref/Inst	V	Ref/Inst	V
--	----------	---	----------	---

## COMMENTS:

**Gamma Calibration:** Gd<sub>2</sub>O<sub>3</sub> detectors positioned perpendicular to source exposed for M 44-B in which the front of probe faces source.

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING*
5000	4000 µR/hr	4000	4000
5000	1000 µR/hr	1000	1000
500	400 µR/hr = 71200 cpm	400	400
500	100 µR/hr	100	100
250	200 µR/hr = 35600 cpm	200	200
250	100 µR/hr	100	100
50	7120 cpm	40	40
50	1780 cpm	10	10
25	3560 cpm	20	20
25	890 cpm	5	5

\*Uncertainty within  $\pm 10\%$     C.F. within  $\pm 25\%$

50.25 Range(s) Calibrated Electronically

REFERENCE		INSTRUMENT	INSTRUMENT	REFERENCE		INSTRUMENT	INSTRUMENT
CAL. POINT		RECEIVED	METER READING*	CAL. POINT		RECEIVED	METER READING*
Digital Readout	.....	.....	.....	Log Scale	.....	.....	.....
	.....	.....	.....		.....	.....	.....
	.....	.....	.....		.....	.....	.....
	.....	.....	.....		.....	.....	.....
	.....	.....	.....		.....	.....	.....

Isotum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of other International Standards Organization members, or has been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques. The calibration system conforms to the requirements of ANSI/NCSL Z540-3-1994 and ANSI N323-1978. ISO/IE 17025:2005(E)  
State of Texas Calibration License No. LO-1983

Reference instruments and/or Sources: C<sub>3</sub>-Y37 GWN ☐ 068 ☐ 2171CP ☐ 2281CP ☐ 228 ☐ 734 ☐ 781 ☐ 1131 ☐ 1516 ☐ 1606 ☐ 1909 ☐ 1916CP ☐ 2324/2521  
☐ 5717CO ☐ 5719CO ☐ 60648 ☐ 10867 ☐ 73410 ☐ 8592 ☐ G112 ☒ 2168CP ☐ G-394 ☐ G-1064 ☐ T10081 ☐ T10082 Naudin Am-241 Be ☐ Y-304 Ra-226 ☐ Y682

☐ Alpha S/N \_\_\_\_\_ ☐ Beta S/N \_\_\_\_\_ ☐ Other \_\_\_\_\_

☒ m 500 S/N 251108 ☐ Oscilloscope S/N ☒ Multimeter S/N 15060230

Calibrator: James McBeth *James McBeth* Title: Calibrator Date: 21 NOV 88

OC# By Donnie Mickas Title Final QC Date 21-Nov-18

This certificate shall not be reproduced except in full, without the written approval of Lutron Measurements, Inc.

10034 10035 10036

Figure 1

AC Inset ☐ Passed Dielectric (Hi-Pot) and Continuity Test  
Only ☐ Failed



# Certificate of Calibration

## Calibration and Voltage Plateau

Environmental Restoration Group, Inc.  
8809 Washington St NE, Suite 150  
Albuquerque, NM 87113  
(505) 298-4224  
www.ERGoffice.com

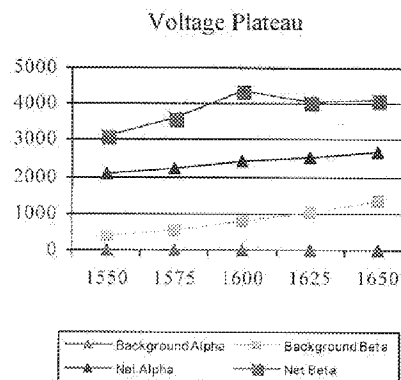
Meter: Manufacturer: Ludlum Model Number: 2360 Serial Number: 278586

Detector: Manufacturer: Ludlum Model Number: 43-37 Serial Number: PR178371

☒ Mechanical Check    ☒ THR/WIN Operation    HV Check (+/- 2.5%): ☒ 500 V    ☒ 1000 V    ☒ 1500 V  
☐ F/S Response Check    ☒ Reset Check    Cable Length: ☐ 39-inch    ☐ 72-inch    ☒ Other: 60"  
☒ Geotropism    ☒ Audio Check  
☒ Meter Zeroed    ☒ Battery Check (Min 4.4 VDC)  
 Source Distance: ☒ Contact    ☐ 6 inches    ☐ Other:  
 Source Geometry: ☐ Side    ☒ Below    ☐ Other:  
 Alpha Threshold: 100 mV    Barometric Pressure: 24.75 inches Hg  
 Beta Threshold: 4    Temperature: 72 °F  
 Beta Window: 40 mV    Relative Humidity: 20 %  
 Instrument found within tolerance: ☒ Yes    ☐ No

Range/Multiplier	Reference Setting	"As Found Reading"	Meter Reading	Integrated 1-Min. Count	
				$\alpha$	$\beta$
x 1000	400 Kcpm	400	400	400116	400139
x 1000	100 Kcpm	100	100		
x 100	40 Kcpm	400	400	39993	40026
x 100	10 Kcpm	100	100		
x 10	4 Kcpm	400	400	4003	4003
x 10	1 Kcpm	100	100		
x 1	400 cpm	400	400	401	400
x 1	100 cpm	100	100		

High Voltage	Alpha Source		Beta Source		Background	
	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$
1550	2092	1242	14	3512	10	399
1575	2257	1460	21	4141	12	524
1600	2448	1715	13	5141	16	806
1625	2533	1937	19	5108	16	1024
1650	2702	2099	29	5434	13	1312



Comments: HV Plateau Scaler Count Time = 1 min. Recommended HV = 1600 @5200'. Per "the Ludlum report 1999" (-) 25 volts per (+) 1000' in altitude over 2160' (ERG is @ 5200' so (+)25 volts per (-) 1000' in altitude)

### Reference Instruments and/or Sources:

Ludlum pulser serial number: ☐ 97743 ☒ 201932

Fluke multimeter serial number ☒ 87490128

☒ Alpha Source: Th-230 sn: 4098-03@12,800dpm/6,520cpm(1/4/12)

☐ Gamma Source Cs-137 @ 5.2 uCi (1/4/12) sn: 4097-03

☒ Beta Source: Tc-99 sn: 4099-03@17,700dpm/11,100cpm(1/4/12)

☐ Other Source:

Calibrated By:

Calibration Date: 8/15/19

Calibration Due: 8/15/20

Reviewed By:

Date: 8/15/19

ERG Form ITC.101.C

This calibration conforms to the requirements and acceptable calibration conditions of ANSI N323A - 1997



# Certificate of Calibration

Calibration and Voltage Plateau

Environmental Restoration Group, Inc.  
8809 Washington St NE, Suite 150  
Albuquerque, NM 87113  
(505) 298-4224  
www.ERGoffice.com

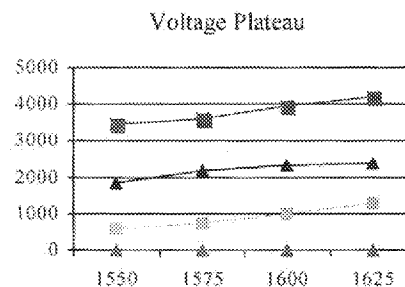
Meter: Manufacturer: Ludlum Model Number: 2360 Serial Number: 220263  
Detector: Manufacturer: Ludlum Model Number: 43-37 Serial Number: PR216985

☒ Mechanical Check ☒ THR/WIN Operation HV Check (+/- 2.5%): ☒ 500 V ☒ 1000 V ☒ 1500 V  
☐ F/S Response Check ☒ Reset Check Cable Length: ☐ 39-inch ☐ 72-inch ☒ Other: 60"  
☒ Geotropism ☒ Audio Check  
☒ Meter Zeroed ☒ Battery Check (Min 4.4 VDC) Alpha Threshold: 120 mV Barometric Pressure: inches Hg  
Source Distance: ☒ Contact ☐ 6 inches ☐ Other: Beta Threshold: 4 Temperature: °F  
Source Geometry: ☐ Side ☒ Below ☐ Other: Beta Window: 30 mV Relative Humidity: %

Instrument found within tolerance: ☒ Yes ☐ No

Range/Multiplier	Reference Setting	"As Found Reading"	Meter Reading	Integrated 1-Min. Count	
				$\alpha$	$\beta$
x 1000	400 Kcpm	400	400	400056	400229
x 1000	100 Kcpm	100	100		
x 100	40 Kcpm	400	400	40045	40058
x 100	10 Kcpm	100	100		
x 10	4 Kcpm	400	400	4007	4008
x 10	1 Kcpm	100	100		
x 1	400 cpm	400	400	401	401
x 1	100 cpm	100	100		

High Voltage	Alpha Source		Beta Source		Background	
	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$
1550	1824	1329	13	4042	7	575
1575	2184	1577	9	4360	10	736
1600	2355	1880	25	4978	10	997
1625	2386	2074	25	5484	15	1270



Comments: HV Plateau Scaler Count Time = 1 min. Recommended HV = 1600 Per "the Ludlum report 1999" (-) 25 volts per (+) 1000' in altitude over 2160' (ERG is @ 5200' so (+)25 volts per (-) 1000' in altitude) 1625=4200', 1650=3200', 1675=2200', 1700=1200, 1725=200

## Reference Instruments and/or Sources:

Ludlum pulser serial number: ☐ 97743 ☒ 201932

Fluke multimeter serial number ☒ 87490128

☒ Alpha Source: Th-230 sn: 4098-03@12,800dpm/6,520cpm(1/4/12)

☐ Gamma Source Cs-137 @ 5.2 uCi (1/4/12) sn: 4097-03

☒ Beta Source: Th-230 sn: 4099-03@17,700dpm/11,100cpm(1/4/12)

☐ Other Source:

Calibrated By:

Calibration Date: 9/3/19

Calibration Due: 9/3/20

Reviewed By:

Date: 9/3/19

ERG Form ITC, 101C

This calibration conforms to the requirements and acceptable calibration conditions of ANSI N323.1 - 1997



GRIFFIN INSTRUMENTS



**CALIBRATION CERTIFICATE FOR 2360 SERIAL# 245779**

Owner: GI

DATE: 09/11/19 LOCATION: Griffin Inst

TECH: Joanne Glenn DATE LAST CAL EXPIRES: 10/26/16

Reason For Calibration: ☒ Due For Calibration ☐ Repair (See Remarks)  
☐ Other (See Remarks) ☐ Due and Repair (See Remarks)

**NIST TRACEABLE EQUIPMENT USED DURING CALIBRATION**

MODEL: 500-2 SERIAL #: 341331 CAL. DUE: 09/03/20

☒ Audio Response ☒ Geotropism CABLE LENGTH: 6'

CONDITION: Sat AF MECHANICAL ZERO: 0 AL MECHANICAL ZERO: 0

NEW BATTERIES: ☒ Yes ☐ No BATTERY CHECK: Sat

HV (+/-10%)	AS FOUND HV	AS LEFT HV	WINDOW SETTINGS:	A.F.	A.L.
500 V:	510	500	BT (3.5 mV +/- 1 mV):	3.5	A.F.
1000 V:	1010	1000	BW (30 mV +/- 3 mV):	30	A.F.
1500 V:	1510	1500	AT (120 mV +/- 10 mV):	120	A.F.

**RATE METER**

**SCALER**

SCALE RATE CPM AS FOUND % ERROR AS LEFT % ERROR AS FOUND % ERROR AS LEFT % ERROR

x.1 or x1	100	100	0.0%	A.F.		249	0.4%	A.F.	
	250	250	0.0%	A.F.					
	400	400	0.0%	A.F.					
x1 or x10	1000	1000	0.0%	A.F.					
	2500	2500	0.0%	A.F.					
	4000	4000	0.0%	A.F.					
x10 or x100	10K	10 K	0.0%	A.F.					
	25K	25 K	0.0%	A.F.					
	40K	40 K	0.0%	A.F.					
x100 or x1000	100K	100 K	0.0%	A.F.					
	250K	250 K	0.0%	A.F.					
	400K	400 K	0.0%	A.F.					

Is the As Found Data Within 20% of the Set Point?: ☒ Yes ☐ No

Overload Light: ☐ Adjusted / Verified ☒ Not Adj.

REMARKS:

Does Instrument Meet Final Acceptance Criteria?: ☒ Yes ☐ No

Calibration Sticker Attached?: ☒ Yes ☐ No

Date Instrument is Due For Next Calibration: 09/11/20

INSTRUMENT MARRIED WITH 43-37

#PR190618

Performed/Reviewed by:

*Joanne Glenn*

Date: 9/11/2019

Entered by: *[Signature]* Initials



1

Calibrations performed to ANSI N323A-1997 standards.



GRIFFIN INSTRUMENTS



CALIBRATION CERTIFICATE FOR 43-37 PROBE # PR190618

Owner: GI

DATE: 09/11/19

LOCATION: Griffin Inst

TECH: Joanne Glenn

DATE LAST CAL EXPIRES: 10/26/16

REASON FOR CALIBRATION:

☒ Due For Calibration ☐ Repair (See Remarks) ☐ Other (See Remarks) ☐ Due and Repair

CABLE LENGTH: 6'

INPUT SENSITIVITY: dual

NIST TRACEABLE EQUIPMENT AND STANDARDS USED DURING CALIBRATION

MODEL: 2360 SERIAL #: 245779 CAL. DUE: 09/11/20

NIST TRACEABLE SOURCES USED

Source Number	Isotope	4 pi Activity	Assay Date	2 pi Activity
P2-149	Tc99 SS	21,949 dpm	02/01/17	12,070 cpm
P2-152	Th230	22,166 dpm	02/01/17	11,190 cpm
2696-00	Pu239	18,500 dpm	12/02/09	9,370 cpm
2697-00	Sr90	12,200 dpm	03/01/00	8,530 cpm
PX-726	C14	48,780 dpm	01/21/08	18,660 cpm

Efficiencies from last cal.:

Condition: ☒ Sat ☐ Unsat

Pu: 16.23% Th: 13.51% Sr: 27.89%

Tc ss: 22.02% C14: 13.28% Tc Ni:

As Found (AF) Efficiencies:

HV / Vernier:	Tc-99 Source Response Nickel (CPM):			Pu-239 Source Response (CPM):			Background (CPM):		Tc-99 Source Response Stainless Steel (CPM):		
	A ch.	B ch.	Net Eff.	A ch.	B ch.	Net Eff.	A ch.	B ch.	A ch.	B ch.	Net Eff.
1725 / N/A				3183	928	17.20%	1	715	3	5236	20.60%

Net A to B Xtalk: <10%	B to A Xtalk: <1%
6.3%	<1%

	Pu239	Tc99 Ni	Tc99 ss	Th-230	Sr90	C-14
AF CPM:	3183		5236	3609	2981	6848
AF 4 pi eff:	17.20%		20.60%	16.28%	29.70%	12.57%
AF 2 pi eff:	33.96%		37.46%	32.24%	42.48%	32.87%

Is as found efficiency within 20% of the efficiency from the last cal?

☒ Yes ☐ No (See Remarks)

Note: If the as found data is within 10% of the last calibration and the B-A Xtalk is <1% and the A-B Xtalk is <10%, then the technician may N/A the plateau section and go directly to remarks.





GRIFFIN INSTRUMENTS



PROBE #: PR190618

Date: 09/11/19

PLATEAU AND SET POINT DATA

HV / Vernier:	Tc-99 Source Response SS (CPM):			Pu-239 Source Response (CPM):			Background (CPM):		Net A to B Xtalk: <10%	B to A Xtalk: <1%
	A ch.	B ch.	Net Eff.	A ch.	B ch.	Net Eff.	A ch.	B ch.		
1550	0	2311	10.1%	522	357	2.8%	1	103	32.7%	<1%
1600	1	3376	14.5%	1559	419	8.4%	1	204	12.1%	<1%
1650	3	4179	17.8%	2161	494	11.7%	4	280	9.0%	<1%
1700	1	5272	21.5%	2767	694	15.0%	1	543	5.2%	<1%
1725	2	5199								<1%
1750	2	5007	19.0%	3244	995	17.5%	3	834	4.7%	<1%

Alpha / Beta Bkg (cpm)		3	582				
HV / Vernier		Pu-239	Tc-99 Ni	Tc-99 SS	Th-230	C-14	Sr-90
1700 / N/A	CPM:	2841		5231	3220	7190	2757
4 pi AL Efficiencies:		15.34%		21.18%	14.51%	13.55%	28.51%
2 pi AL Efficiencies:		30.29%		38.52%	28.75%	35.41%	40.76%

REMARKS:

Does Instrument Meet Final Acceptance Criteria?: ☒ Yes ☐ No

Calibration Sticker Attached?: ☒ Yes ☐ No

Date Instrument is Due For Next Calibration: 09/11/20

INSTRUMENT MARRIED WITH 2360 #245779

Performed/Reviewed by:

*Joanne Glenn*

Date: 9/11/2019

Entered by: *JP* Initials

2 pi efficiencies denoted in italics.

Calibrations performed to ANSI N323A-1997 standards.





Model 2360 Log Data      Date: 09/11/2019      Time: 01:45:55 PM      Page: 1

---

Header 1: Griffin  
Header 2: 2360 SN:245779  
Header 3: 43-93 PR190618  
Header 4:  
Header 5:  
Header 6:  
Location:

Calibration Due Date: 09/11/2020  
Model 2360 Date: 09/11/2019  
Model 2360 Time: 01:47:01 PM

Logged Samples: 0

User PC Scaler Count Time: 0.1 minutes

Alpha Ratemeter Alarm Setpoint: 999999  
Beta Ratemeter Alarm Setpoint: 999999  
Alpha + Beta Ratemeter Alarm Setpoint: 999999  
  
Alpha Scaler Alarm Setpoint: 999999  
Beta Scaler Alarm Setpoint: 999999  
Alpha + Beta Scaler Alarm Setpoint: 999999



GRIFFIN INSTRUMENTS



**CALIBRATION CERTIFICATE FOR**      **2360**      **SERIAL#**      **278604**

Owner: GI

DATE: 09/11/19      LOCATION: Griffin Inst

TECH: Joanne Glenn      DATE LAST CAL EXPIRES: 03/29/19

Reason For Calibration:      ☒ Due For Calibration      ☐ Repair (See Remarks)  
☐ Other (See Remarks)      ☐ Due and Repair (See Remarks)

**NIST TRACEABLE EQUIPMENT USED DURING CALIBRATION**

MODEL: 500-2      SERIAL #: 341331      CAL. DUE: 09/03/20

☒ Audio Response      ☒ Geotropism      CABLE LENGTH: 6'

CONDITION: Sat      AF MECHANICAL ZERO: 0      AL MECHANICAL ZERO: 0

NEW BATTERIES: ☒ Yes ☐ No      BATTERY CHECK: Sat

HV (+/-10%)	AS FOUND HV	AS LEFT HV	WINDOW SETTINGS:	A.F.	A.L.
500 V:	500	A.F.	BT (3.5 mV +/- 1 mV):	3.5	A.F.
1000 V:	1000	A.F.	BW (30 mV +/- 3 mV):	30	A.F.
1500 V:	1490	A.F.	AT (120 mV +/- 10 mV):	120	A.F.

**RATE METER**

**SCALER**

SCALE   RATE CPM   AS FOUND   % ERROR   AS LEFT   % ERROR   AS FOUND   % ERROR   AS LEFT   % ERROR

x.1 or x1	100	100	0.0%	A.F.		250	0.0%	A.F.	
	250	250	0.0%	A.F.					
	400	400	0.0%	A.F.					
x1 or x10	1000	1000	0.0%	A.F.					
	2500	2500	0.0%	A.F.					
	4000	4000	0.0%	A.F.					
x10 or x100	10K	10 K	0.0%	A.F.					
	25K	25 K	0.0%	A.F.					
	40K	40 K	0.0%	A.F.					
x100 or x1000	100K	100 K	0.0%	A.F.					
	250K	250 K	0.0%	A.F.					
	400K	400 K	0.0%	A.F.					

Is the As Found Data Within 20% of the Set Point?:      ☒ Yes      ☐ No

Overload Light:      ☐ Adjusted / Verified      ☒ Not Adj.

REMARKS:

Does Instrument Meet Final Acceptance Criteria?:      ☒ Yes      ☐ No

Calibration Sticker Attached?:      ☒ Yes      ☐ No

Date Instrument is Due For Next Calibration: 09/11/20

INSTRUMENT MARKED WITH      43-37      #PR190617

Performed/Reviewed by: *Joanne Glenn*      Date: 9/11/2019      Entered by: *[Signature]* Initials





GRIFFIN INSTRUMENTS



CALIBRATION CERTIFICATE FOR 43-37 PROBE # PR190617

Owner: GI

DATE: 09/11/19  
TECH: Joanne Glenn

LOCATION: Griffin Inst  
DATE LAST CAL EXPIRES: 08/21/19

REASON FOR CALIBRATION:

☒ Due For Calibration ☐ Repair (See Remarks) ☐ Other (See Remarks) ☐ Due and Repair

CABLE LENGTH: 6'

INPUT SENSITIVITY: dual

NIST TRACEABLE EQUIPMENT AND STANDARDS USED DURING CALIBRATION

MODEL: 2360 SERIAL #: 278604 CAL. DUE: 09/11/20

NIST TRACEABLE SOURCES USED

Source Number	Isotope	4 pi Activity	Assay Date	2 pi Activity
P2-149	Tc99 SS	22,166 dpm	02/01/17	12,070 cpm
P2-152	Th230	22,166 dpm	02/01/17	11,190 cpm
2596-00	Pu239	18,500 dpm	12/02/09	9,370 cpm
2697-00	Sr90	12,200 dpm	03/01/00	8,530 cpm
PX-726	C14	48,780 dpm	01/21/08	18,660 cpm

Efficiencies from last cal.:

Condition: ☒ Sat ☐ Unsat

Pu: 16.74% Th: 14.69% Sr: 27.62%

Tc ss: 19.47% C14: 12.26% Tc Ni:

As Found (AF) Efficiencies:

HV / Vernier:	Tc-99 Source Response Nickel (CPM):			Pu-239 Source Response (CPM):			Background (CPM):		Tc-99 Source Response Stainless Steel (CPM):		
	A ch.	B ch.	Net Eff.	A ch.	B ch.	Net Eff.	A ch.	B ch.	A ch.	B ch.	Net Eff.
1675 / N/A				2752	705	14.88%	0	434	1	4905	20.37%

Net A to B Xtalk: <10%	B to A Xtalk: <1%
9.0%	<1%

	Pu239	Tc99 Ni	Tc99 ss	Th-230	Sr90	C-14
AF CPM:	2752		4905	3143	2328	7109
AF 4 pi eff:	14.88%		20.37%	14.18%	24.83%	13.68%
AF 2 pi eff:	29.37%		37.04%	28.09%	35.51%	35.77%

Is as found efficiency within 20% of the efficiency from the last cal? ☒ Yes ☐ No (See Remarks)

Note: If the as found data is within 10% of the last calibration and the B-A Xtalk is <1% and the A-B Xtalk is <10%, then the technician may N/A the plateau section and go directly to remarks.





GRIFFIN INSTRUMENTS



PROBE #: **PR190617**

Date: 09/11/19

PLATEAU AND SET POINT DATA

HV / Vernier:	Tc-99 Source Response SS (CPM):			Pu-239 Source Response (CPM):			Background (CPM):		Net A to B Xtalk: <10%	B to A Xtalk: <1%
	A ch.	B ch.	Net Eff.	A ch.	B ch.	Net Eff.	A ch.	B ch.		
1600	2	3633	15.6%	1839	369	9.9%	2	214	7.8%	<1%
1650	0	4532	19.1%	2531	567	13.7%	3	345	8.1%	<1%
1700	2	5123	20.3%	3190	871	17.2%	3	668	6.0%	<1%
1725	2	4790								<1%
1750	8	4385								<1%

Alpha / Beta Bkg (cpm)		1	690			
HV / Vernier	Pu-239	Tc-99 Ni	Tc-99 SS	Th-230	C-14	Sr-90
1700 / N/A	CPM: 3306		5087	3612	6967	2776
4 pi AL Efficiencies:	17.86%		20.03%	16.29%	12.87%	27.34%
2 pi AL Efficiencies:	35.27%		36.43%	32.27%	33.64%	39.11%

REMARKS:

Does Instrument Meet Final Acceptance Criteria? ☒ Yes ☐ No

Calibration Sticker Attached? ☒ Yes ☐ No

Date Instrument is Due For Next Calibration: 09/11/20

INSTRUMENT MARRIED WITH 2360 #278604

Performed/Reviewed by: Joanne Glenn

Date: 9/11/2019

Entered by: JP Initials

2 pi efficiencies denoted in italics.

Calibrations performed to ANSI N323A-1997 standards.



Model 2360 Log Data      Date: 09/11/2019      Time: 03:49:29 PM      Page: 1

---

Header 1: Griffin Inst.  
Header 2: SN: 278604  
Header 3: SN:PR190617  
Header 4:  
Header 5:  
Header 6: Comment  
Location: Table 007

Calibration Due Date: 09/11/2020  
Model 2360 Date: 09/11/2019  
Model 2360 Time: 03:50:02 PM

Logged Samples: 0

User PC Scaler Count Time: 0.1 minutes

Alpha Ratemeter Alarm Setpoint: 999999  
Beta Ratemeter Alarm Setpoint: 999999  
Alpha + Beta Ratemeter Alarm Setpoint: 999999

Alpha Scaler Alarm Setpoint: 999999  
Beta Scaler Alarm Setpoint: 999999  
Alpha + Beta Scaler Alarm Setpoint: 999999



# Certificate of Calibration

## Calibration and Voltage Plateau

Environmental Restoration Group, Inc.  
8809 Washington St NE, Suite 150  
Albuquerque, NM 87113  
(505) 298-4324  
www.ERGoffice.com

Meter/Detector: Manufacturer: Ludlum Model Number: 2929 & 43-10-1 Serial Number: 142654 & PR145340

✓ Mechanical Check    ✓ HIR/WIS Operation    HV Check (±2.5%): ✓ 500 V    ✓ 1000 V    ✓ 1500 V  
IPS Response Check    Reset Check    Cable Length: ✓ 39-inch    72-inch    Other:

Geotrap    ✓ Andin Check  
... Meter Zeroed    Battery Check (Min 4.4 VDC)    Alpha Threshold: 170 mV Barometric Pressure: 24.54 inches Hg  
Source Distance: Contact 6 inches ✓ Other: In Planchet Beta Threshold: 4 mV Temperature: 72 °F  
Source Geometry: Side Below ✓ Other: In Planchet Beta Window: 46 mV Relative Humidity: 20 %

Instrument found within tolerance: ✓ Yes    No

Range/Multiplier		Reference Setting	Integrated 1-Min. Count "As Found"		Integrated 1-Min. Count "Reading"		
			$\alpha$	$\beta$	$\alpha$	$\beta$	
≤ 0.01		400 Kcpm	399768	399749	399768	399749	
≤ 100		40 Kcpm	39986	39991	39986	39991	
≤ 10		4 Kcpm	3998	3999	3998	3999	
≤ 1		400 cpm	400	400	400	400	
High Voltage	Pot. Setting	Alpha Source		Beta Source		Background	
		$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$
600	2.5	3624	315	2	1509	1	30
650	2.7	4394	326	7	2257	1	53
700	2.9	4509	386	6	3059	2	69
750	3.1	4628	521	2	3843	0	67

Comments: Comments: HV Plateau Scaler Count Time = 1-min. Recommended HV = 700, Pot. setting = 2.9

### Reference Instruments and/or Sources:

Ludlum pulser serial number: 87743 ✓ 201932

Fluke multimeter serial number 87490128

✓ Alpha Source: Th-230 sm: 4098-03 @ 12,800dpm/6,520cpm (1/4/12)

Gamma Source: Cs-137 @ 5.2 uCi (1/4/12) sm: 4097-03

✓ Beta Source: Tl-204 sm: 1049-03 @ 17,700dpm/11,100cpm (1/4/12)

Other Source:

Calibrated By:

Calibration Date: 2/26/20

Calibration Due: 2/26/21

Reviewed By:

Date: 2/18/2020

ERG Form HIC, 04.13

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# Certificate of Calibration

## Calibration and Voltage Plateau

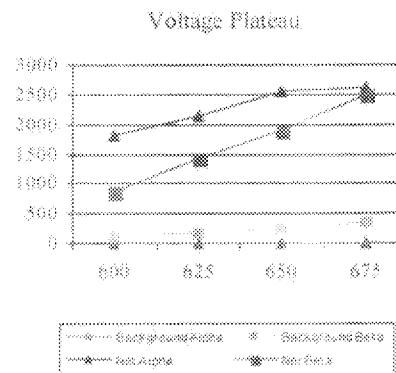
Environmental Restoration Group, Inc.  
5809 Washington St NE, Suite 150  
Albuquerque, NM 87113  
(505) 248-4224  
www.ERGoffice.com

Meter: Manufacturer: Ludlum Model Number: 2360 Serial Number: 276943  
Detector: Manufacturer: Ludlum Model Number: 43-93 Serial Number: PR199841

☒ Mechanical Check ☒ THR/WIN Operation ☒ HV Check ( $\pm 2.5\%$ ): ☒ 500 V ☒ 1000 V ☒ 1500 V  
☐ E/S Response Check ☒ Reset Check Cable Length: ☒ 39-inch ☐ 72-inch ☐ Other:  
☒ Geotropism ☒ Audio Check  
☒ Meter Zeroed ☒ Battery Check (Min 4.4 VDC) Alpha Threshold: 120 mV Barometric Pressure: 24.33 inches Hg  
Source Distance: ☒ Contact ☐ 6 inches ☐ Other: Beta Threshold: 4 Temperature: 72 °F  
Source Geometry: ☐ Side ☒ Below ☐ Other: Beta Window: 30 mV Relative Humidity: 20 %  
Instrument found within tolerance: ☒ Yes ☐ No

Range/Multiplier	Reference Setting	"As Found Reading"	Meter Reading	Integrated 1-Min. Count	
				$\alpha$	$\beta$
x 1000	400 Kcpm	400	400	399563	399581
x 1000	100 Kcpm	100	100		
x 100	40 Kcpm	400	400	39934	39963
x 100	10 Kcpm	100	100		
x 10	4 Kcpm	400	400	3995	3995
x 10	1 Kcpm	100	100		
x 1	400 cpm	400	400	399	399
x 1	100 cpm	100	100		

High Voltage	Alpha Source		Beta Source		Background	
	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$
600	1818	318	1	956	1	109
625	2134	352	8	1587	4	176
650	2543	404	5	2125	3	240
675	2628	620	3	2850	3	348



Comments: HV Plateau Scaler Count Time = 1 min. Recommended HV ~650

### Reference Instruments and/or Sources:

Ludlum pulser serial number: ☐ 97743 ☒ 201932

Fiske multimeter serial number ☒ 87490128

☒ Alpha Source: Th-230 @ 4098-03 @ 12,800 dpm/6,520 cpm (1-4/12)

Gamma Source: Cs-137 @ 5.2 uCi (1-4/12) ser: 4097-03

☒ Beta Source: Th-230 @ 4099-03 @ 17,700 dpm/11,100 cpm (1-4/12)

Other Source:

Calibrated By:

Calibration Date: 2/12/20

Calibration Due: 2/12/21

Reviewed By:

Date: 2/12/2020

ERG Form EIC-191A

This calibration conforms to the requirements and acceptance criteria of ANSI N42.28-1997



# Certificate of Calibration

Calibration and Voltage Plateau

Environmental Restoration Group, Inc.  
8809 Washington St NE, Suite 130  
Albuquerque, NM 87113  
(505) 298-4224  
www.ERGoffice.com

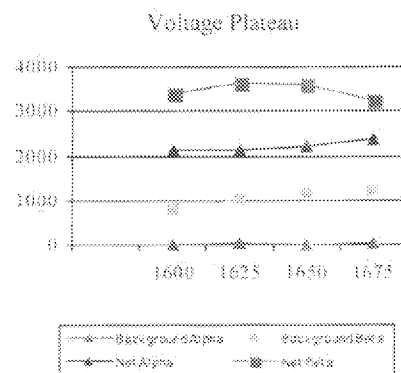
Meter: Manufacturer: Ludlum Model Number: 2360 Serial Number: 220242  
Detector: Manufacturer: Ludlum Model Number: 45-37 Serial Number: PR124946

☒ Mechanical Check ☒ HIR WIN Operation HV Check (+/- 2.5%): ☒ 500 V ☒ 1000 V ☒ 1500 V  
☐ F/S Response Check ☒ Roan Check Cable Length: 39-inch 72-inch ☒ Other: 60"  
☒ Geotropism ☒ Audio Check  
☒ Meter Zeroed ☒ Battery Check (Min 4.4 VDC) Alpha Threshold: 100 mV Barometric Pressure: 20 inches Hg  
Source Distance: ☒ Contact 6 inches Other: Beta Threshold: 4 Temperature: 72 °F  
Source Geometry: ☒ Side ☒ Below Other: Beta Window: 40 mV Relative Humidity: 25 %

Instrument found within tolerance: ☒ Yes ☐ No

Range/Multiplier	Reference Setting	"As Found Reading"	Meter Reading	Integrated 1-Min. Count	
				α	β
x 1000	400 Kcpm	400	400	399624	399722
x 1000	100 Kcpm	100	100		
x 100	40 Kcpm	400	400	39977	39984
x 100	10 Kcpm	100	100		
x 10	4 Kcpm	400	400	3998	3999
x 10	1 Kcpm	100	100		
x 1	400 cpm	400	400	400	400
x 1	100 cpm	100	100		

High Voltage	Alpha Source		Beta Source		Background	
	α	β	α	β	α	β
1600	2124	1572	25	4189	19	790
1625	2174	1616	29	4670	29	1029
1650	2227	1693	39	4863	19	1190
1675	2288	2058	135	4486	31	1222



Comments: HV Plateau Sealer Count Time = 1 min. Recommended HV = 1650. Per the Ludlum Report 1999 a 25 volt increase in HV is recommended for every 1000-foot decrease in elevation from calibration location; ERG is at 5200-feet HV ADJ TO 1775 FOR ELEVATION CHANGE.

## Reference Instruments and/or Sources:

Ludlum pulser serial number: 97743 ☒ 301932

Fluke multimeter serial number ☒ 87490128

☒ Alpha Source: Th-230 @ 4098-03 @ 12.80ldpm/6.520cpm (1/4/12)

Gamma Source: Cs-137 @ 5.2 uCi (1/4/12) @ 4097-03

☒ Beta Source: Sr-90 @ 3099-03 @ 17.700dpm/11.100cpm (1/4/12)

Other Source:

Calibrated By:

Calibration Date: 2/28/20

Calibration Due: 2/28/21

Reviewed By:

Date: 2/28/2020

ERG Form ITC, 101X

For more information, the requirements and acceptance criteria, calibration is performed in accordance with ANSI N426.1-1997





# Certificate of Calibration

Calibration and Voltage Plateau

Environmental Restoration Group, Inc.  
8809 Washington St NE, Suite 150  
Albuquerque, NM 87113  
(505) 298-4224  
www.ERGoffice.com

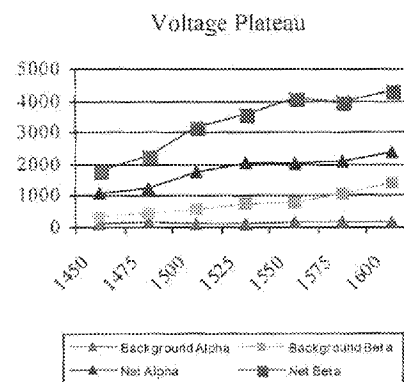
Meter: Manufacturer: Ludlum Model Number: 2360 Serial Number: 275739  
Detector: Manufacturer: Ludlum Model Number: 43-37 Serial Number: PR302114

☒ Mechanical Check ☒ THR/WIN Operation HV Check (+/- 2.5%): ☒ 500 V ☒ 1000 V ☒ 1500 V  
☐ F/S Response Check ☒ Reset Check Cable Length: ☐ 39-inch ☐ 72-inch ☒ Other: 60-inch  
☒ Geotropism ☒ Audio Check  
☒ Meter Zeroed ☒ Battery Check (Min 4.4 VDC) Alpha Threshold: 120 mV Barometric Pressure: 24.7 inches Hg  
Source Distance: ☒ Contact ☐ 6 inches ☐ Other: Beta Threshold: 4 Temperature: 71 °F  
Source Geometry: ☐ Side ☒ Below ☐ Other: Beta Window: 30 mV Relative Humidity: 20 %

Instrument found within tolerance: ☒ Yes ☐ No

Range/Multiplier	Reference Setting	"As Found Reading"	Meter Reading	Integrated 1-Min. Count	
				$\alpha$	$\beta$
x 1000	400 Kcpm	400	400	400420	400493
x 1000	100 Kcpm	100	100		
x 100	40 Kcpm	400	400	40008	40050
x 100	10 Kcpm	100	100		
x 10	4 Kcpm	400	400	4003	4005
x 10	1 Kcpm	100	100		
x 1	400 cpm	400	400	400	400
x 1	100 cpm	100	100		

High Voltage	Alpha Source		Beta Source		Background	
	$\alpha$	$\beta$	$\alpha$	$\beta$	$\alpha$	$\beta$
1450	1216	393	239	2146	114	356
1475	1398	1097	176	2741	156	453
1500	1895	1518	436	3742	136	585
1525	2182	2083	410	4296	120	737
1550	2174	2271	490	4894	151	789
1575	2282	2542	524	5055	152	1073
1600	2551	2939	408	5728	158	1433



Comments: HV Plateau Scaler Count Time = 1 min. Recommended HV = 1575 volts. Per the Ludlum Report 1999 a 25 volt increase in recommended HV is needed for each 1000-foot decrease in elevation from calibration location; ERG is at 5200-feet. Recommended HV at 200 feet is 125 volt increase to 1700 volts. Higher beta to alpha crosstalk than expected, but confirmed on other detectors here.

## Reference Instruments and/or Sources:

Ludlum pulser serial number: ☐ 97743 ☒ 201932

Fluke multimeter serial number ☐ 87490128

☒ Alpha Source: Th-230 sn: 4098-03@12,800dpm/6,520cpm(1/4/12)

☐ Gamma Source: Cs-137 @ 5.2 uCi (1/4/12) sn: 4097-03

☒ Beta Source: Tc-99 sn: 4099-03@17,700dpm/11,100cpm(1/4/12)

☐ Other Source:

Calibrated By:

Calibration Date: 11/11/19

Calibration Due: 11/11/20

Reviewed By:

Date: 11 Nov 19

ERG Form ITC.10LC

This calibration conforms to the requirements and acceptable calibration conditions of ANSI N225A-1997



**Eckert & Ziegler**  
Isotope Products

24937 Avenue Tibbitts  
Valencia, California 91355

Tel 661-309-1010  
Fax 661-257-8303

CABRERA # 1365

## CERTIFICATE OF CALIBRATION ALPHA STANDARD SOURCE

Radionuclide:	Th-230	Customer:	CABRERA SERVICES INC.
Half-life:	(7.54 ± 0.03)E+04 years	P.O. No.:	PO-00892
Catalog No.:	EAB-230-47U	Reference Date:	1-Jul-15 12:00 PST
Source No.:	M6-837	Contained Radioactivity:	2.487 nCi 92.02 Bq

### Physical Description:

A. Capsule type:	Disk (47 mm OD x 0.76 mm THK)
B. Nature of active deposit:	Electrodeposited and diffusion bonded oxide
C. Active diameter/volume:	46 mm
D. Backing:	Stainless steel
E. Cover:	None

### Radioimpurities:

None detected

### Method of Calibration:

This source was assayed using a windowless internal gas flow proportional counter.

### Uncertainty of Measurement:

A. Type A (random) uncertainty:	± 0.6 %
B. Type B (systematic) uncertainty:	± 3.0 %
C. Uncertainty in aliquot weighing:	± 0.0 %
D. Total uncertainty at the 99% confidence level:	± 3.1 %

### Notes:

- See reverse side for leak test(s) performed on this source.
- EZIP participates in a NIST measurement assurance program to establish and maintain implicit traceability for a number of nuclides, based on the blind assay (and later NIST certification) of Standard Reference Materials (as in NRC Regulatory Guide 4.15).
- Nuclear data was taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.
- This source has a working life of 2 years.
- This source had a surface emission rate of 2788 α/min in 2π on 15-Jun-15.

Daniel Jacobson  
Quality Control

16-Jun-15  
Date

EZIP Ref. No.: 1821-37

ISO 9001 CERTIFIED

Medical Imaging Laboratory  
24937 Avenue Tibbitts Valencia, California 91355

Industrial Gauging Laboratory  
1800 North Keystone Street Burbank, California 91504



Eckert & Ziegler

Isotope Products

24937 Avenue Tibbitts  
Valencia, California 91355

Tel 661•309•1010

Fax 661•257•8303

CABRERA # 1364

## CERTIFICATE OF CALIBRATION BETA STANDARD SOURCE

Radionuclide:	Tc-99	Customer:	CABRERA SERVICES INC.
Half-life:	(2.13 ± 0.05)E+05 years	P.O. No.:	PO-00892
Catalog No.:	EAB-099-47U	Reference Date:	1-Jul-15 12:00 PST
Source No.:	MB-836	Contained Radioactivity:	2.692 nCi 99.60 Bq

### Physical Description:

A. Capsule type:	Disk (47 mm OD x 0.76 mm THK)
B. Nature of active deposit:	Electrodeposited and diffusion bonded Technetium metal
C. Active diameter/volume:	45 mm
D. Backing:	Stainless steel
E. Cover:	None

### Radioimpurities:

None detected

### Method of Calibration:

This source was assayed using a windowless internal gas flow proportional counter.

### Uncertainty of Measurement:

A. Type A (random) uncertainty:	± 1.1 %
B. Type B (systematic) uncertainty:	± 3.0 %
C. Uncertainty in aliquot weighing:	± 0.0 %
D. Total uncertainty at the 99% confidence level:	± 3.2 %

### Notes:

- See reverse side for leak test(s) performed on this source.
- EZIP participates in a NIST measurement assurance program to establish and maintain implicit traceability for a number of nuclides, based on the blind assay (and later NIST certification) of Standard Reference Materials (as in NRC Regulatory Guide 4.15).
- Nuclear data was taken from "Table of Radioactive Isotopes", edited by Virginia Shirley, 1986.
- This source has a working life of 2 years.
- This source had a surface emission rate of 3287 β/min in 2π on 15-Jun-15.

Quality Control

16-Jun-15  
Date

EZIP Ref. No.: 1821-37

ISO 9001 CERTIFIED

Medical Imaging Laboratory  
24937 Avenue Tibbitts Valencia, California 91355

Industrial Gauging Laboratory  
1360 North Keystone Street Burbank, California 91504



**Eckert & Ziegler**

**Isotope Products**

24937 Avenue Tibbitts  
Valencia, California 91355

Tel 661-309-1010

Fax 661-257-8303

## **CERTIFICATE OF CALIBRATION GAMMA STANDARD SOURCE**

<b>Radionuclide:</b>	Co-60	<b>Customer:</b>	CABRERA SERVICES, INC.
<b>Half-life:</b>	5.272 ± 0.001 years	<b>P.O. No.:</b>	12-0217
<b>Catalog No.:</b>	GF-060-D	<b>Reference Date:</b>	15-May-12 12:00 PST
<b>Source No.:</b>	1592-30-1	<b>Contained Radioactivity:</b>	1.042 µCi 38.55 kBq

### **Physical Description:**

A. Capsule type:	D (25.4 mm OD x 6.35 mm THK)
B. Nature of active deposit:	Evaporated metallic salt
C. Active diameter/volume:	5 mm
D. Backing:	Epoxy
E. Cover:	Acrylic

### **Radioimpurities:**

None detected

### **Method of Calibration:**

This source was assayed using gamma ray spectrometry.

Peak energy used for integration:	1173, 1333 keV
Branching ratio used:	0.9986, 0.9998 gammas per decay

### **Uncertainty of Measurement:**

A. Type A (random) uncertainty:	± 0.5 %
B. Type B (systematic) uncertainty:	± 3.0 %
C. Uncertainty in aliquot weighing:	± 0.0 %
D. Total uncertainty at the 99% confidence level:	± 3.0 %

### **Notes:**

- See reverse side for leak test(s) performed on this source.
- EZIP participates in a NIST measurement assurance program to establish and maintain implicit traceability for a number of nuclides, based on the blind assay (and later NIST certification) of Standard Reference Materials (as in NRC Regulatory Guide 4.15).
- Nuclear data was taken from IAEA-TECDOC-619, 1991.
- This source has a working life of 5 years.

  
Quality Control

16-Apr-12  
Date

EZIP Ref. No.: 1592-30

ISO 9001 CERTIFIED

**Medical Imaging Laboratory**  
24937 Avenue Tibbitts Valencia, California 91355

**Industrial Gauging Laboratory**  
1800 North Keystone Street Burbank, California 91504

Eckert & Ziegler Nuclitec GmbH  
Gieselweg 1  
38110 Braunschweig  
Tel. +49 5307 932-0  
Fax +49 5307 932-293



akkreditiert durch die / accredited by the

**Deutsche Akkreditierungsstelle GmbH**



Deutsche  
Akkreditierungsstelle  
D-K-15203-01-00

als Kalibrierlaboratorium im / as calibration laboratory in the

**Deutschen Kalibrierdienst**

**DKD**

Kalibrierschein  
Calibration certificate

Kalibrierzeichen  
Calibration mark

026031
D-K- 15203-01-00
2013-05

Strahler Nr. / Source number AC-2448

Gegenstand  
Object **Beta Wide Area Reference Source**

Hersteller  
Manufacturer **Eckert & Ziegler Nuclitec GmbH**

Typ  
Type **TCR07032**

Strahler-Nr.  
Source number **AC-2448**

Auftraggeber  
Customer **Eckert & Ziegler Analytics  
USA-Atlanta, GA 30318**

Auftragsnummer  
Order No. **CO00155161**

Anzahl der Seiten des Kalibrierscheines  
Number of pages of the certificate **2**

Datum der Kalibrierung  
Date of calibration **25 April 2013**

Dieser Kalibrierschein dokumentiert die Rückführung auf nationale Normale zur Darstellung der Einheiten in Übereinstimmung mit dem Internationalen Einheitensystem (SI).

Die DAkkS ist Unterzeichner der multilateralen Übereinkommen der European co-operation for Accreditation (EA) und der International Laboratory Accreditation Cooperation (ILAC) zur gegenseitigen Anerkennung der Kalibrierscheine.

Für die Einhaltung einer angemessenen Frist zur Wiederholung der Kalibrierung ist der Benutzer verantwortlich.

*This calibration certificate documents the traceability to national standards, which realize the units of measurement according to the International System of Units (SI).*

*The DAkkS is signatory to the multilateral agreements of the European co-operation for Accreditation (EA) and of the International Laboratory Accreditation Cooperation (ILAC) for the mutual recognition of calibration certificates.*

*The user is obliged to have the object recalibrated at appropriate intervals.*

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Datum Date	Leiter des Kalibrierlaboratoriums Head of the calibration laboratory	Bearbeiter Person in charge
13 May 2013	Dr. Thiemo <i>A. E. Thiem</i>	<i>A. T. Schall</i> Schueler

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026031
D-K- 15203-01-00
2013-05

Beta Wide Area Reference Source

Source no.	AC-2448
Drawing	VZ-628-001
Nuclide	Technetium-99
Activity	3.79 kBq
Beta surface emission rate	$1.83 \text{E}03 \text{ s}^{-1}$ in $2 \pi$ steradian
Reference date	25 April 2013 at 12:00 UTC
Dimensions of active surface	150 mm x 100 mm
Overall dimensions	170 mm x 120 mm x 3 mm
Leakage and contamination test	The amount of the removable activity does not exceed 10 Bq. (Wipe test according to ISO 9978, no. 5.3.1)
Wipe test passed on	13 May 2013
Construction	Tc-99 is incorporated into the surface of an anodized aluminium foil of 0.3 mm thickness. The thickness of the activated layer is approximately 6 $\mu\text{m}$ . The activated foil is mounted into a holder.
Measuring method	The activity was determined by comparison with a reference source of the same construction. The beta surface emission rate was measured using a windowless proportional counter.
Traceability	Additional to the direct traceability to the PTB through the DAkks this product complies with the requirements for traceability to NIST specified in the American National Standard "Traceability of Radioactive Sources to the NIST and Associated Instrument Quality Control (ANSI N42.22-1995)". As a requirement of the ANSI N42.22-1995 Eckert & Ziegler Nuclitec GmbH participates in the NRM/PTB/NIST Measurements Assurance Program of the Nuclear Power Industry.
Uncertainty	The relative uncertainty of the activity is 5 %, the relative uncertainty of the beta surface emission rate is 3 %. The reported uncertainty, determined according to the DAkks-DKD-3 report is based on the standard uncertainty multiplied by a coverage factor of $k = 2$ , providing a level of confidence of 95 %. (Ref. NIST Technical Note 1297/"Guide to the Expression of Uncertainty in Measurement" ISO Guide, 1995)
Radioactive impurities	Related to Tc-99 (equal 100 %) the following radioactive impurities were detected: none
Quality assurance system	The quality assurance system of Eckert & Ziegler Nuclitec GmbH was certified by Lloyd's Register Quality Assurance (LRQA) according to ISO 9001, issue 2008. Isotrac products meet the requirements of 10CFR50 Appendix B in the USA.
Uniformity	The uniformity of the surface emission rate is better than 10 %.
Remark	This is an EZN Class 2 reference source. Ref: PO#3950/SO#32561, End User Ref: PO#13-0185

Eckert & Ziegler Nuclitec GmbH  
Gieselweg 1  
38110 Braunschweig  
Tel +49 5307 932-0  
Fax +49 5307 932-293



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**Deutsche Akkreditierungsstelle GmbH**



als Kalibrierlaboratorium im / as calibration laboratory in the

**Deutschen Kalibrierdienst**

**DKD**

Kalibrierschein  
Calibration certificate

Kalibrierzeichen  
Calibration mark

026288
D-K-
15203-01-00
2013-07

Strahler Nr. / Source number AC-2446

Gegenstand  
Object Alpha Wide Area Reference Source

Hersteller  
Manufacturer Eckert & Ziegler Nuclitec GmbH

Typ  
Type TZR86470

Strahler-Nr.  
Source number AC-2446

Auftraggeber  
Customer Eckert & Ziegler Analytics  
Atlanta, GA 30318  
United States of America

Auftragsnummer  
Order No. CO00155161

Anzahl der Seiten des Kalibrierscheines  
Number of pages of the certificate 2

Datum der Kalibrierung  
Date of calibration 25 July 2013

Dieser Kalibrierschein dokumentiert die Rückführung auf nationale Normale zur Darstellung der Einheiten in Übereinstimmung mit dem internationalen Einheitensystem (SI).

Die DAKKS ist Unterzeichner der multilateralen Übereinkommen der European co-operation for Accreditation (EA) und der International Laboratory Accreditation Cooperation (ILAC) zur gegenseitigen Anerkennung der Kalibrierscheine.

Für die Einhaltung einer angemessenen Frist zur Wiederholung der Kalibrierung ist der Benutzer verantwortlich.

This calibration certificate documents the traceability to national standards, which realize the units of measurement according to the international System of Units (SI).

The DAKKS is signatory to the multilateral agreements of the European co-operation for Accreditation (EA) and of the International Laboratory Accreditation Cooperation (ILAC) for the mutual recognition of calibration certificates.

The user is obliged to have the object recalibrated at appropriate intervals.

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Datum  
Date

Leiter des Kalibrierlaboratoriums  
Head of the calibration laboratory

Bearbeiter  
Person in charge

30 July 2013

Dr. Thieme

Schueler

Seite 2  
Page

026288
D-K- 15208-01-00
2013-07

Alpha Wide Area Reference Source

Source no.	AC-2446
Drawing	VZ-628-001
Nuclide	Thorium-230
Activity	2.21 kBq
Alpha surface emission rate	$1.08 \times 10^3 \text{ s}^{-1}$ in $2\pi$ steradian
Reference date	25 July 2013 at 12:00 UTC
Dimensions of active surface	150 mm x 100 mm
Overall dimensions	150 mm x 120 mm x 3 mm
Leakage and contamination test	The amount of the removable activity does not exceed 10 Bq. (Wipe test according to ISO 9978, no. 5.3.1)
Wipe test passed on	30 July 2013
Construction	Th-230 is incorporated into the surface of an anodized aluminium foil of 0.3 mm thickness. The thickness of the activated layer is approximately 6 $\mu\text{m}$ . The activated foil is mounted into a holder.
Measuring method	The activity was determined by comparison with a reference source of the same construction. The alpha surface emission rate was measured using a windowless proportional counter.
Traceability	Additional to the direct traceability to the PTB through the DAKKS this product complies with the requirements for traceability to NIST specified in the American National Standard "Traceability of Radioactive Sources to the NIST and Associated Instrument Quality Control (ANSI N42.22-1995)". As a requirement of the ANSI N42.22-1995 Eckert & Ziegler Nuditec GmbH participates in the NRM/PTB Measurements Assurance Program of the Nuclear Power Industry.
Uncertainty	The relative uncertainty of the activity is 3 %, the relative uncertainty of the alpha surface emission rate is 3 %. The reported uncertainty, determined according to the DAKKS-DKD-3 report is based on the standard uncertainty multiplied by a coverage factor of $k = 2$ , providing a level of confidence of 95 %. (Ref. NIST Technical Note 1297/"Guide to the Expression of Uncertainty in Measurement" ISO Guide, 1995)
Radioactive impurities	Related to Th-230 (equal 100 %) the following radioactive impurities were detected: none
Quality assurance system	The quality assurance system of Eckert & Ziegler Nuditec GmbH was certified by Lloyd's Register Quality Assurance (LRQA) according to ISO 9001, issue 2008. Isotrak products meet the requirements of 10CFR50 Appendix B in the USA.
Uniformity	The uniformity of the surface emission rate is better than 10 %.
Remark	This is an EZN Class 2 reference source. Ref: PQ#3950/SO#32561, End User Ref: PO#13-0185



Eckert & Ziegler Nuclitec GmbH  
Gieselweg 1  
38110 Braunschweig  
Tel +49 5307 932-0  
Fax +49 5307 932-293



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**Deutsche Akkreditierungsstelle GmbH**



Deutsche  
Akkreditierungsstelle  
(D-K-15203-01-00)

als Kalibrierlaboratorium im / as calibration laboratory in the

**Deutschen Kalibrierdienst**



Kalibrierschein  
Calibration certificate

Kalibrierzeichen  
Calibration mark

026055
D-K- 15203-01-00
2013-05

Strahler Nr. / Source number AC-2450

Gegenstand  
Object **Beta Wide Area Reference Source**

Hersteller  
Manufacturer **Eckert & Ziegler Nuclitec GmbH**

Typ  
Type **SIR07032**

Strahler-Nr.  
Source number **AC-2450**

Auftraggeber  
Customer **Eckert & Ziegler Analytics  
Atlanta, GA 30318  
United States of America**

Auftragsnummer  
Order No. **C000155161**

Anzahl der Seiten des Kalibrierscheines  
Number of pages of the certificate **2**

Datum der Kalibrierung  
Date of calibration **22 May 2013**

Dieser Kalibrierschein dokumentiert die Rückführung auf nationale Normale zur Darstellung der Einheiten in Übereinstimmung mit dem internationalen Einheitensystem (SI).

Die DAkkS ist Unterzeichner der multilateralen Übereinkommen der European co-operation for Accreditation (EA) und der International Laboratory Accreditation Cooperation (ILAC) zur gegenseitigen Anerkennung der Kalibrierscheine.

Für die Einhaltung einer angemessenen Frist zur Wiederholung der Kalibrierung ist der Benutzer verantwortlich.

*This calibration certificate documents the traceability to national standards, which realise the units of measurement according to the International System of Units (SI).*

*The DAkkS is signatory to the multilateral agreements of the European co-operation for Accreditation (EA) and of the International Laboratory Accreditation Cooperation (ILAC) for the mutual recognition of calibration certificates.*

*The user is obliged to have the object recalibrated at appropriate intervals.*

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Datum Date	Leiter des Kalibrierlaboratoriums Head of the calibration laboratory	Bearbeiter Person in charge
---------------	---	--------------------------------

28 May 2013

Dr. Thieme

*A. E. Heide*

Schueler

*E. Schuler*

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026055
D-K- 15203-01-00
2013-05

Beta Wide Area Reference Source

Source no.	AC-2450
Drawing	VZ-628-001
Nuclide	Strontium-90
Activity	3.45 kBq
Beta surface emission rate	$4.50 \times 10^3 \text{ s}^{-1}$ in $2\pi$ steradian
Reference date	22 May 2013 at 12:00 UTC
Dimensions of active surface	150 mm x 100 mm
Overall dimensions	170 mm x 120 mm x 3 mm
Leakage and contamination test	The amount of the removable activity does not exceed 10 Bq. (Wipe test according to ISO 9978, no. 5.3.1)
Wipe test passed on	27 May 2013
Construction	Sr-90 is incorporated into the surface of an anodized aluminium foil of 0.3 mm thickness. The thickness of the activated layer is approximately 6 µm. The activated foil is mounted into a holder.
Measuring method	The activity was determined by comparison with a reference source of the same construction. The beta surface emission rate was measured using a windowless proportional counter.
Traceability	Additional to the direct traceability to the PTB through the DAkkS this product complies with the requirements for traceability to NIST specified in the American National Standard "Traceability of Radioactive Sources to the NIST and Associated Instrument Quality Control (ANSI N42.22-1995)". As a requirement of the ANSI N42.22-1995 Eckert & Ziegler Nuclitec GmbH participates in the NRMAP/NIST Measurements Assurance Program of the Nuclear Power Industry.
Uncertainty	The relative uncertainty of the activity is 5 %, the relative uncertainty of the beta surface emission rate is 3 %. The reported uncertainty, determined according to the DAkkS-DKD-3 report is based on the standard uncertainty multiplied by a coverage factor of $k=2$ , providing a level of confidence of 95 %. (Ref. NIST Technical Note 1297/"Guide to the Expression of Uncertainty in Measurement" ISO Guide, 1995)
Radioactive impurities	Related to Sr-90 (equal 100 %) the following radioactive impurities were detected: none
Quality assurance system	The quality assurance system of Eckert & Ziegler Nuclitec GmbH was certified by Lloyd's Register Quality Assurance (LRQA) according to ISO 9001, issue 2008. Isotrak products meet the requirements of 10CFR50 Appendix B in the USA.
Uniformity	The uniformity of the surface emission rate is better than 10 %.
Remark	This is an ECN Class 2 reference source. Ref: POW3950/SO#32561 End user Reference POW13-0185

Eckert & Ziegler Nuclitec GmbH  
Gieselweg 1  
38110 Braunschweig  
Tel +49 5307 932-0  
Fax +49 5307 932-293



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**Deutschen Kalibrierdienst**



Kalibrierschein  
Calibration certificate

Kalibrierzeichen  
Calibration mark

026045
D-K- 15203-01-00
2013-05

Strahler Nr. / Source number AC-2449

Gegenstand  
Object Beta Wide Area Reference Source

Hersteller  
Manufacturer Eckert & Ziegler Nuclitec GmbH

Typ  
Type CIR07092

Strahler-Nr.  
Source number AC-2449

Auftraggeber  
Customer Eckert & Ziegler Analytics  
Atlanta, GA 30318, USA

Auftragsnummer  
Order No. C000155161

Anzahl der Seiten des Kalibrierscheines  
Number of pages of the certificate 2

Datum der Kalibrierung  
Date of calibration 25 April 2013

Dieser Kalibrierschein dokumentiert die Rückführung auf nationale Normale zur Darstellung der Einheiten in Übereinstimmung mit dem internationalen Einheitensystem (SI).

Die DAkkS ist Unterzeichner der multilateralen Übereinkommen der European co-operation for Accreditation (EA) und der International Laboratory Accreditation Cooperation (ILAC) zur gegenseitigen Anerkennung der Kalibrierscheine.

Für die Einhaltung einer angemessenen Frist zur Wiederholung der Kalibrierung ist der Benutzer verantwortlich.

This calibration certificate documents the traceability to national standards, which realize the units of measurement according to the International System of Units (SI).

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Datum  
Date

Leiter des Kalibrierlaboratoriums  
Head of the calibration laboratory

Bearbeiter  
Person in charge

22 May 2013

D. Thieme

Schueler

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026045
D-K- 15203-01-00
2013-05

**Beta Wide Area Reference Source**

Source no.	AC-2449
Drawing	VZ-628-001
Nuclide	Chlorine-36
Activity	3.90 kBq
Beta surface emission rate	$2.48 \times 10^3 \text{ s}^{-1} \text{ in } 2\pi \text{ steradian}$
Reference date	25 April 2013 at 12:00 UTC
Dimensions of active surface	150 mm x 100 mm
Overall dimensions	170 mm x 120 mm x 3 mm
Leakage and contamination test	The amount of the removable activity does not exceed 10 Bq. (Wipe test according to ISO 9978, no. 5.3.1)
Wipe test passed on	22 May 2013
Construction	Cl-36 is incorporated into the surface of an anodized aluminium foil of 0.3 mm thickness. The thickness of the activated layer is approximately 6 µm. The activated foil is mounted into a holder.
Measuring method	The activity was determined by comparison with a reference source of the same construction. The beta surface emission rate was measured using a windowless proportional counter.
Traceability	Additional to the direct traceability to the PTB through the DAkkS this product complies with the requirements for traceability to NIST specified in the American National Standard "Traceability of Radioactive Sources to the NIST and Associated Instrument Quality Control (ANSI N42.22-1995)". As a requirement of the ANSI N42.22-1995 Eckert & Ziegler Nuclitec GmbH participates in the NRMAP/NIST Measurements Assurance Program of the Nuclear Power Industry.
Uncertainty	The relative uncertainty of the activity is 5 %, the relative uncertainty of the beta surface emission rate is 3 %. The reported uncertainty, determined according to the DAkkS-DKD-3 report is based on the standard uncertainty multiplied by a coverage factor of $k = 2$ , providing a level of confidence of 95 %. (Ref. NIST Technical Note 1297/"Guide to the Expression of Uncertainty in Measurement" ISO Guide, 1995)
Radioactive impurities	Related to Cl-36 (equal 100 %) the following radioactive impurities were detected: none
Quality assurance system	The quality assurance system of Eckert & Ziegler Nuclitec GmbH was certified by Lloyd's Register Quality Assurance (LRQA) according to ISO 9001, issue 2008. Isotrak products meet the requirements of 10CFR50 Appendix B in the USA.
Uniformity	The uniformity of the surface emission rate is better than 10 %.
Remark	This is an EZN Class 2 reference source. Ref: PO#3950/SO#32561, End User Ref: PO#13-0185



## CERTIFICATE OF CALIBRATION

### Electroplated Alpha Standard

S.O.# 7261  
P.O.# 13-0038

#### Description of Standard:

Model No. DNS-11 Serial No. 3973-02 Isotope Th-230

Electroplated on polished SS disc, 0.79 mm thick.

Total diameter of 4.77 cm and an active diameter of 4.45 cm.

The radioactive material is permanently fixed to the disc by heat treatment without any covering over the active surface.

#### Measurement Method:

The 2pi alpha emission rate was measured using an internal gas flow proportional chamber. Absolute counting of alpha particles emitted in the hemisphere above the active surface was verified by counting above, below, and at the operative voltage. The calibration is traceable to NIST by reference to an NIST calibrated alpha source S/N 75322-261

#### Measurement Result:

The observed alpha particles emitted from the surface of the disc per minute (cpm) on the calibration date was:

7,950 ± 318

The total disintegration rate (dpm) assuming 1.5% backscatter of alpha particles from the surface of the disc, was:

15,700 ± 626 (0.00706 µCi)

The uncertainty of the measurement is 4%, which is the sum of random counting error at the 99% confidence level, and the estimated upper limit of systematic error in this measurement.

Calibrated by: ART REUST Reviewed by: [Signature]

Calibration Technician: [Signature] Q.A. Manager: [Signature]

Calibration Date: 8-21-2012 Reviewed Date: 08/21/2012

Analytical Services  
7021 Pan American Freeway NE  
Albuquerque, New Mexico 87109-4238  
(505) 345-3461 Fax (505) 761-6416  
Toll Free (866) RAD-LABS (723-6227)  
www.eborlineservices.com



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## CERTIFICATE OF CALIBRATION

Electroplated Beta Standard

S.O.# 7261  
P.O.# 13-0038

**Description of Standard:**

Model No. DNS-12 Serial No. 3975-02 Isotope Tc-99  
Electroplated on polished SS disc, 0.79 mm thick.  
Total diameter of 4.77 cm and an active diameter of 4.45 cm.

The radioactive material is permanently fixed to the disc by heat treatment without any covering over the active surface.

**Measurement Method:**

The 2pi beta emission rate was measured using an internal gas flow proportional chamber. Absolute counting of beta particles emitted in the hemisphere above the active surface was verified by counting above, below, and at the operative voltage. The calibration is traceable to NIST by reference to an NIST calibrated beta source S/N 75323-201.

**Measurement Result:**

The observed beta count rate from the surface of the disc per minute (cpm) on the calibration date was:

11,100  $\pm$  442

The total disintegration rate (dpm) assuming 25 % backscatter of beta particles from the surface of the disc, was:

17,700  $\pm$  707 (0.00797  $\mu$ Ci)

The uncertainty of the measurement is 4 %, which is the sum of random counting error at the 99% confidence level, and the estimated upper limit of systematic error in this measurement.

Calibrated by: ART REUST Reviewed by: [Signature]

Calibration Technician: [Signature] Q.A. Manager: [Signature]

Calibration Date: 8-21-2012 Reviewed Date: 08/21/2012

Source Manufacturing Lab  
7021 Pan American Freeway NE  
Albuquerque, New Mexico 87109-4230  
(505) 761-5413 Fax (505) 761-5416  
art.reust@eberlineaerivices.com

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	1646	126.15	15913.82	Instrument/Detector	2929 / 43-10-1
2	1803	-30.85	951.7225	Serial # / Serial#	155577/PR157789
3	1815	-42.85	1836.122	Date Performed	13-Aug-19
4	1742	30.15	909.0225	Count time interval (minutes)	1
5	1807	-34.85	1214.522	Source Used	Th-230
6	1742	30.15	909.0225		
7	1804	-31.85	1014.422		
8	1731	41.15	1693.323		
9	1793	-20.85	434.7225		
10	1798	-25.85	668.2225		
11	1809	-36.85	1357.922		
12	1747	25.15	632.5225		
13	1783	-10.85	117.7225		
14	1745	27.15	737.1225		
15	1810	-37.85	1432.622		
16	1764	8.15	66.4225		
17	1824	-51.85	2688.422		
18	1768	4.15	17.2225		
19	1810	-37.85	1432.622		
20	1702	70.15	4921.023		
Sum total	35443		38948.55		
$X_m$	1772.15				

$$\chi^2 = 21.98$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	1593	-83.25	6930.563	Instrument/Detector	2929 / 43-10-1
2	1473	36.75	1350.563	Serial # / Serial#	155577/PR157789
3	1535	-25.25	637.5625	Date Performed	13-Aug-19
4	1505	4.75	22.5625	Count time interval (minutes)	1
5	1584	-74.25	5513.063	Source Used	Tc-99
6	1458	51.75	2678.063		
7	1546	-36.25	1314.063		
8	1521	-11.25	126.5625		
9	1454	55.75	3108.063		
10	1507	2.75	7.5625		
11	1455	54.75	2997.563		
12	1514	-4.25	18.0625		
13	1459	50.75	2575.563		
14	1557	-47.25	2232.563		
15	1558	-48.25	2328.063		
16	1489	20.75	430.5625		
17	1500	9.75	95.0625		
18	1572	-62.25	3875.063		
19	1466	43.75	1914.063		
20	1449	60.75	3690.563		
Sum total	30195		41845.75		
$X_m$	1509.75				

$$\chi^2 = 27.72$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8



## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	1683	-42.55	1810.503	Instrument/Detector	2360/43-37
2	1646	-5.55	30.8025	Serial # / Serial#	215271/PR216985
3	1632	8.45	71.4025	Date Performed	13-Aug-19
4	1668	-27.55	759.0025	Count time interval (minutes)	2
5	1640	0.45	0.2025	Source Used	Th-230
6	1693	-52.55	2761.503		
7	1664	-23.55	554.6025		
8	1563	77.45	5998.503		
9	1639	1.45	2.1025		
10	1710	-69.55	4837.202		
11	1639	1.45	2.1025		
12	1558	82.45	6798.003		
13	1600	40.45	1636.203		
14	1646	-5.55	30.8025		
15	1658	-17.55	308.0025		
16	1608	32.45	1053.003		
17	1675	-34.55	1193.703		
18	1671	-30.55	933.3025		
19	1639	1.45	2.1025		
20	1577	63.45	4025.903		
Sum total	32809		32808.95		
$X_m$	1640.45				

$$\chi^2 = 20.00$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	3059	34.7	1204.09	Instrument/Detector	2360/43-37
2	3150	-56.3	3169.69	Serial # / Serial#	215271/PR216985
3	3089	4.7	22.09	Date Performed	13-Aug-19
4	3004	89.7	8046.09	Count time interval (minutes)	2
5	3089	4.7	22.09	Source Used	Tc-99
6	3219	-125.3	15700.09		
7	3139	-45.3	2052.09		
8	3037	56.7	3214.89		
9	3125	-31.3	979.69		
10	3026	67.7	4583.29		
11	3032	61.7	3806.89		
12	3142	-48.3	2332.89		
13	3177	-83.3	6938.89		
14	3113	-19.3	372.49		
15	3030	63.7	4057.69		
16	3072	21.7	470.89		
17	3112	-18.3	334.89		
18	3085	8.7	75.69		
19	3166	-72.3	5227.29		
20	3008	85.7	7344.49		
Sum total	61874		69956.2		
$X_m$	3093.7				

$$\chi^2 = 22.61$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	1699	24.6	605.16	Instrument/Detector	2360/43-37
2	1630	93.6	8760.96	Serial # / Serial#	220263/PR216985
3	1651	72.6	5270.76	Date Performed	5-Sep-19
4	1647	76.6	5867.56	Count time interval (minutes)	2
5	1786	-62.4	3893.76	Source Used	Th-230
6	1681	42.6	1814.76		
7	1779	-55.4	3069.16		
8	1765	-41.4	1713.96		
9	1745	-21.4	457.96		
10	1821	-97.4	9486.76		
11	1739	-15.4	237.16		
12	1754	-30.4	924.16		
13	1657	66.6	4435.56		
14	1714	9.6	92.16		
15	1705	18.6	345.96		
16	1740	-16.4	268.96		
17	1715	8.6	73.96		
18	1765	-41.4	1713.96		
19	1792	-68.4	4678.56		
20	1687	36.6	1339.56		
Sum total	34472		55050.8		
$X_m$	1723.6				

$$\chi^2 = 31.94$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	3444	-11.65	135.7225	Instrument/Detector	2360/43-37
2	3361	71.35	5090.822	Serial # / Serial#	220263/PR216985
3	3374	58.35	3404.722	Date Performed	5-Sep-19
4	3342	90.35	8163.122	Count time interval (minutes)	2
5	3533	-100.65	10130.42	Source Used	Tc-99
6	3402	30.35	921.1225		
7	3465	-32.65	1066.023		
8	3420	12.35	152.5225		
9	3502	-69.65	4851.123		
10	3441	-8.65	74.8225		
11	3380	52.35	2740.522		
12	3468	-35.65	1270.923		
13	3455	-22.65	513.0225		
14	3511	-78.65	6185.823		
15	3437	-4.65	21.6225		
16	3431	1.35	1.8225		
17	3436	-3.65	13.3225		
18	3366	66.35	4402.322		
19	3409	23.35	545.2225		
20	3470	-37.65	1417.523		
Sum total	68647		51102.55		
$X_m$	3432.35				

$$\chi^2 = 14.89$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	1428	-1.65	2.7225	Instrument/Detector	2360/43-37
2	1438	-11.65	135.7225	Serial # / Serial#	245779/PR190618
3	1494	-67.65	4576.523	Date Performed	17-Sep-19
4	1409	17.35	301.0225	Count time interval (minutes)	2
5	1439	-12.65	160.0225	Source Used	Th-230
6	1340	86.35	7456.322		
7	1395	31.35	982.8225		
8	1391	35.35	1249.622		
9	1502	-75.65	5722.923		
10	1449	-22.65	513.0225		
11	1367	59.35	3522.422		
12	1465	-38.65	1493.823		
13	1443	-16.65	277.2225		
14	1465	-38.65	1493.823		
15	1369	57.35	3289.022		
16	1395	31.35	982.8225		
17	1400	26.35	694.3225		
18	1458	-31.65	1001.723		
19	1447	-20.65	426.4225		
20	1433	-6.65	44.2225		
Sum total	28527		34326.55		
$X_m$	1426.35				

$$\chi^2 = 24.07$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	3272	22.35	499.5225	Instrument/Detector	2360/43-37
2	3166	128.35	16473.72	Serial # / Serial#	245779/PR190618
3	3339	-44.65	1993.623	Date Performed	17-Sep-19
4	3281	13.35	178.2225	Count time interval (minutes)	2
5	3229	65.35	4270.622	Source Used	Tc-99
6	3365	-70.65	4991.423		
7	3253	41.35	1709.822		
8	3269	25.35	642.6225		
9	3429	-134.65	18130.62		
10	3178	116.35	13537.32		
11	3256	38.35	1470.722		
12	3343	-48.65	2366.823		
13	3364	-69.65	4851.123		
14	3344	-49.65	2465.123		
15	3306	-11.65	135.7225		
16	3345	-50.65	2565.423		
17	3211	83.35	6947.222		
18	3389	-94.65	8958.623		
19	3309	-14.65	214.6225		
20	3239	55.35	3063.622		
Sum total	65887		95466.55		
$X_m$	3294.35				

$$\chi^2 = 28.98$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	1415	-7.85	61.6225	Instrument/Detector	2360/43-37
2	1363	44.15	1949.223	Serial # / Serial#	278586/PR178371
3	1357	50.15	2515.023	Date Performed	16-Aug-19
4	1413	-5.85	34.2225	Count time interval (minutes)	2
5	1422	-14.85	220.5225	Source Used	Th-230
6	1390	17.15	294.1225		
7	1417	-9.85	97.0225		
8	1453	-45.85	2102.222		
9	1389	18.15	329.4225		
10	1433	-25.85	668.2225		
11	1400	7.15	51.1225		
12	1422	-14.85	220.5225		
13	1387	20.15	406.0225		
14	1455	-47.85	2289.622		
15	1344	63.15	3987.923		
16	1453	-45.85	2102.222		
17	1415	-7.85	61.6225		
18	1453	-45.85	2102.222		
19	1407	0.15	0.0225		
20	1355	52.15	2719.623		
Sum total	28143		22212.55		
$X_m$	1407.15				

$$\chi^2 = 15.79$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	3393	-51.4	2641.96	Instrument/Detector	2360/43-37
2	3426	-84.4	7123.36	Serial # / Serial#	278586/PR178371
3	3394	-52.4	2745.76	Date Performed	16-Aug-19
4	3287	54.6	2981.16	Count time interval (minutes)	2
5	3293	48.6	2361.96	Source Used	Tc-99
6	3334	7.6	57.76		
7	3248	93.6	8760.96		
8	3292	49.6	2460.16		
9	3424	-82.4	6789.76		
10	3226	115.6	13363.36		
11	3328	13.6	184.96		
12	3359	-17.4	302.76		
13	3411	-69.4	4816.36		
14	3331	10.6	112.36		
15	3341	0.6	0.36		
16	3286	55.6	3091.36		
17	3338	3.6	12.96		
18	3336	5.6	31.36		
19	3360	-18.4	338.56		
20	3425	-83.4	6955.56		
Sum total	66832		65132.8		
$X_m$	3341.6				

$$\chi^2 = 19.49$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8



## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	1266	66.45	4415.603	Instrument/Detector	2360/43-37
2	1372	-39.55	1564.203	Serial # / Serial#	278604/PR190617
3	1328	4.45	19.8025	Date Performed	17-Sep-19
4	1333	-0.55	0.3025	Count time interval (minutes)	2
5	1262	70.45	4963.203	Source Used	Th-230
6	1350	-17.55	308.0025		
7	1363	-30.55	933.3025		
8	1345	-12.55	157.5025		
9	1322	10.45	109.2025		
10	1283	49.45	2445.303		
11	1371	-38.55	1486.103		
12	1334	-1.55	2.4025		
13	1308	24.45	597.8025		
14	1323	9.45	89.3025		
15	1359	-26.55	704.9025		
16	1366	-33.55	1125.603		
17	1341	-8.55	73.1025		
18	1347	-14.55	211.7025		
19	1366	-33.55	1125.603		
20	1310	22.45	504.0025		
Sum total	26649		20836.95		
$X_m$	1332.45				

$$\chi^2 = 15.64$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	3141	-86.85	7542.922	Instrument/Detector	2360/43-37
2	3124	-69.85	4879.022	Serial # / Serial#	278604/PR190617
3	2971	83.15	6913.923	Date Performed	17-Sep-19
4	3039	15.15	229.5225	Count time interval (minutes)	2
5	3073	-18.85	355.3225	Source Used	Tc-99
6	3046	8.15	66.4225		
7	3074	-19.85	394.0225		
8	3008	46.15	2129.823		
9	3132	-77.85	6060.622		
10	3028	26.15	683.8225		
11	3020	34.15	1166.223		
12	3037	17.15	294.1225		
13	3008	46.15	2129.823		
14	3039	15.15	229.5225		
15	3061	-6.85	46.9225		
16	3034	20.15	406.0225		
17	3023	31.15	970.3225		
18	3055	-0.85	0.7225		
19	3083	-28.85	832.3225		
20	3087	-32.85	1079.122		
Sum total	61083		36410.55		
$X_m$	3054.15				

$$\chi^2 = 11.92$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	4755	55.3	3058.09	Instrument/Detector	2360/43-37
2	4810	0.3	0.09	Serial # / Serial#	220242/PR124946
3	4784	26.3	691.69	Date Performed	9-Mar-20
4	4724	86.3	7447.69	Count time interval (minutes)	2
5	4838	-27.7	767.29	Source Used	Th-230
6	4854	-43.7	1909.69		
7	4792	18.3	334.89		
8	4666	144.3	20822.49		
9	4840	-29.7	882.09		
10	4924	-113.7	12927.69		
11	4842	-31.7	1004.89		
12	4811	-0.7	0.49		
13	4740	70.3	4942.09		
14	4822	-11.7	136.89		
15	4896	-85.7	7344.49		
16	4903	-92.7	8593.29		
17	4815	-4.7	22.09		
18	4751	59.3	3516.49		
19	4812	-1.7	2.89		
20	4827	-16.7	278.89		
Sum total	96206		74684.2		
$X_m$	4810.3				

$$\chi^2 = 15.53$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	8829	-98.3	9662.89	Instrument/Detector	2360/43-37
2	8712	18.7	349.69	Serial # / Serial#	220242/PR124946
3	8646	84.7	7174.09	Date Performed	9-Mar-20
4	8678	52.7	2777.29	Count time interval (minutes)	2
5	8728	2.7	7.29	Source Used	Tc-99
6	8631	99.7	9940.09		
7	8835	-104.3	10878.49		
8	8735	-4.3	18.49		
9	8607	123.7	15301.69		
10	8661	69.7	4858.09		
11	8647	83.7	7005.69		
12	8783	-52.3	2735.29		
13	8805	-74.3	5520.49		
14	8687	43.7	1909.69		
15	8751	-20.3	412.09		
16	8714	16.7	278.89		
17	8801	-70.3	4942.09		
18	8749	-18.3	334.89		
19	8743	-12.3	151.29		
20	8872	-141.3	19965.69		
Sum total	174614		104224.2		
$X_m$	8730.7				

$$\chi^2 = 11.94$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	5269	-35.2	1239.04	Instrument/Detector	2929 / 43-10-1
2	5268	-34.2	1169.64	Serial # / Serial#	142654/PR145340
3	5139	94.8	8987.04	Date Performed	9-Mar-20
4	5366	-132.2	17476.84	Count time interval (minutes)	1
5	5342	-108.2	11707.24	Source Used	Th-230
6	5241	-7.2	51.84		
7	5365	-131.2	17213.44		
8	5161	72.8	5299.84		
9	5162	71.8	5155.24		
10	5193	40.8	1664.64		
11	5054	179.8	32328.04		
12	5229	4.8	23.04		
13	5193	40.8	1664.64		
14	5228	5.8	33.64		
15	5242	-8.2	67.24		
16	5197	36.8	1354.24		
17	5203	30.8	948.64		
18	5255	-21.2	449.44		
19	5278	-44.2	1953.64		
20	5291	-57.2	3271.84		
Sum total	104676		112059.2		
$X_m$	5233.8				

$$\chi^2 = 21.41$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	2953	152.15	23149.62	Instrument/Detector	2929 / 43-10-1
2	3114	-8.85	78.3225	Serial # / Serial#	142654/PR145340
3	3084	21.15	447.3225	Date Performed	9-Mar-20
4	3104	1.15	1.3225	Count time interval (minutes)	1
5	3026	79.15	6264.723	Source Used	Tc-99
6	3137	-31.85	1014.422		
7	3083	22.15	490.6225		
8	3134	-28.85	832.3225		
9	3108	-2.85	8.1225		
10	3060	45.15	2038.523		
11	3200	-94.85	8996.522		
12	3032	73.15	5350.923		
13	3177	-71.85	5162.422		
14	3046	59.15	3498.723		
15	3162	-56.85	3231.922		
16	3146	-40.85	1668.722		
17	3060	45.15	2038.523		
18	3142	-36.85	1357.922		
19	3172	-66.85	4468.922		
20	3163	-57.85	3346.622		
Sum total	62103		73446.55		
$X_m$	3105.15				

$$\chi^2 = 23.65$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	1953	-16.55	273.9025	Instrument/Detector	2360/43-93
2	1862	74.45	5542.803	Serial # / Serial#	184909/PR199841
3	1985	-48.55	2357.103	Date Performed	12-Aug-19
4	1902	34.45	1186.803	Count time interval (minutes)	2
5	1980	-43.55	1896.603	Source Used	Th-230
6	2036	-99.55	9910.202		
7	1937	-0.55	0.3025		
8	1985	-48.55	2357.103		
9	1882	54.45	2964.803		
10	1985	-48.55	2357.103		
11	1932	4.45	19.8025		
12	1900	36.45	1328.603		
13	1910	26.45	699.6025		
14	1896	40.45	1636.203		
15	1983	-46.55	2166.903		
16	1856	80.45	6472.203		
17	1899	37.45	1402.503		
18	1934	2.45	6.0025		
19	2003	-66.55	4428.902		
20	1909	27.45	753.5025		
Sum total	38729		47760.95		
$X_m$	1936.45				

$$\chi^2 = 24.66$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	1712	0.9	0.81	Instrument/Detector	2360/43-93
2	1667	45.9	2106.81	Serial # / Serial#	184909/PR199841
3	1779	-66.1	4369.21	Date Performed	12-Aug-19
4	1668	44.9	2016.01	Count time interval (minutes)	2
5	1719	-6.1	37.21	Source Used	Tc-99
6	1721	-8.1	65.61		
7	1802	-89.1	7938.81		
8	1717	-4.1	16.81		
9	1690	22.9	524.41		
10	1688	24.9	620.01		
11	1724	-11.1	123.21		
12	1661	51.9	2693.61		
13	1704	8.9	79.21		
14	1679	33.9	1149.21		
15	1770	-57.1	3260.41		
16	1715	-2.1	4.41		
17	1738	-25.1	630.01		
18	1657	55.9	3124.81		
19	1746	-33.1	1095.61		
20	1701	11.9	141.61		
Sum total	34258		29997.8		
$X_m$	1712.9				

$$\chi^2 = 17.51$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8



## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	1633	27.65	764.5225	Instrument/Detector	2360/43-37
2	1674	-13.35	178.2225	Serial # / Serial#	275739/PR302114
3	1597	63.65	4051.323	Date Performed	13-Nov-19
4	1701	-40.35	1628.122	Count time interval (minutes)	2
5	1733	-72.35	5234.522	Source Used	Th-230
6	1676	-15.35	235.6225		
7	1643	17.65	311.5225		
8	1744	-83.35	6947.222		
9	1651	9.65	93.1225		
10	1641	19.65	386.1225		
11	1663	-2.35	5.5225		
12	1710	-49.35	2435.422		
13	1571	89.65	8037.123		
14	1639	21.65	468.7225		
15	1656	4.65	21.6225		
16	1682	-21.35	455.8225		
17	1626	34.65	1200.623		
18	1649	11.65	135.7225		
19	1669	-8.35	69.7225		
20	1655	5.65	31.9225		

Sum total 32692.55

$X_m$  1660.65

$$\chi^2 = 19.69$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	3073	66.25	4389.063	Instrument/Detector	2360/43-37
2	3131	8.25	68.0625	Serial # / Serial#	275739/PR302114
3	3079	60.25	3630.063	Date Performed	13-Nov-19
4	3152	-12.75	162.5625	Count time interval (minutes)	2
5	3134	5.25	27.5625	Source Used	Tc-99
6	3183	-43.75	1914.063		
7	3148	-8.75	76.5625		
8	3203	-63.75	4064.063		
9	3131	8.25	68.0625		
10	3135	4.25	18.0625		
11	3093	46.25	2139.063		
12	3168	-28.75	826.5625		
13	3135	4.25	18.0625		
14	3085	54.25	2943.063		
15	3172	-32.75	1072.563		
16	3188	-48.75	2376.563		
17	3139	0.25	0.0625		
18	3186	-46.75	2185.563		
19	3180	-40.75	1660.563		
20	3070	69.25	4795.563		
Sum total	62785		32435.75		
$X_m$	3139.25				

$$\chi^2 = 10.33$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	5596	-112.55	12667.5	Instrument/Detector	2360/43-93
2	5502	-18.55	344.1025	Serial # / Serial#	276943/PR199841
3	5482	1.45	2.1025	Date Performed	9-Mar-20
4	5524	-40.55	1644.303	Count time interval (minutes)	2
5	5548	-64.55	4166.703	Source Used	Th-230
6	5540	-56.55	3197.903		
7	5391	92.45	8547.002		
8	5414	69.45	4823.302		
9	5509	-25.55	652.8025		
10	5652	-168.55	28409.1		
11	5392	91.45	8363.102		
12	5444	39.45	1556.302		
13	5509	-25.55	652.8025		
14	5458	25.45	647.7025		
15	5295	188.45	35513.4		
16	5513	-29.55	873.2025		
17	5435	48.45	2347.402		
18	5559	-75.55	5707.803		
19	5467	16.45	270.6025		
20	5439	44.45	1975.802		
Sum total	109669		122363		
$X_m$	5483.45				

$$\chi^2 = 22.31$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

## Equipment Chi-Square Distribution Worksheet

Count No.	$X_i$	$X_m - X_i$	$(X_m - X_i)^2$		
1	4635	25.45	647.7025	Instrument/Detector	2360/43-93
2	4661	-0.55	0.3025	Serial # / Serial#	276943/PR199841
3	4707	-46.55	2166.903	Date Performed	9-Mar-20
4	4652	8.45	71.4025	Count time interval (minutes)	2
5	4710	-49.55	2455.203	Source Used	Tc-99
6	4622	38.45	1478.402		
7	4731	-70.55	4977.303		
8	4624	36.45	1328.602		
9	4469	191.45	36653.1		
10	4686	-25.55	652.8025		
11	4588	72.45	5249.002		
12	4632	28.45	809.4025		
13	4595	65.45	4283.702		
14	4720	-59.55	3546.203		
15	4586	74.45	5542.802		
16	4678	-17.55	308.0025		
17	4787	-126.55	16014.9		
18	4687	-26.55	704.9025		
19	4746	-85.55	7318.803		
20	4693	-32.55	1059.503		
Sum total	93209		95268.95		
$X_m$	4660.45				

$$\chi^2 = 20.44$$

Note: Accept  $\chi^2$  if between 8.91 and 32.8

### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET (Rev. 0)

#### INSTRUMENT/TECHNICIAN DETAILS

Instrument	Detector	2pi efficiency data
Make	Ludlum	Ludlum
Model	2360	43-37
Unique ID#	278586	PR178371
Cal. Due, YYYY-MM-DD	2020-08-15	Technician (First, Last)
t <sub>0</sub> - Bkgd. Count Time, min	2.0	B. Badaoui
Bkgd. Total Counts (beta)	1155	Validation (First, Last)
Detector Active Area, cm <sup>2</sup>	584	Scott Hay
Window Areal Density, mg/cm <sup>2</sup>	1.2	2 Pi Test Date, YYYY-MM-DD
		2019-08-16
		Test Site
		Hunters Point Naval Shipyard

#### SOURCE DETAILS

Source	Th-230	H-3	C-14	Tc-99	Cl-36	Sr-90
Emission Type	$\alpha$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$
Unique ID#	AC-2446	OR-256	AC-2447	AC-2448	AC-2449	AC-2450
Cert. Date, YYYY-MM-DD	2013-07-25	2006-11-01	2013-04-25	2013-04-25	2013-04-25	2013-05-22
Source Active Area, cm <sup>2</sup>	150	100	150	150	150	150
Radioactive Half-life, yrs	75380	12.3	5700	211100	301000	28.8
Cert. Surface Emission Rate (SER), sec <sup>-1</sup>	1080	1110	1260	1830	2480	4500
Decay Corrected (SER), sec <sup>-1</sup>	1080	540	1259	1830	2480	3873
Mean Emission Energy, keV	4667	5.7	49	85	252	565
End-Point Emission Energy, keV	4684	18.6	156	294	710	2280
$\epsilon_s$ - Source Efficiency	0.25	0.25	0.25	0.25	0.50	0.50
t <sub>s</sub> - Source Count Time, min	5	5	5	2	1	1

#### TEST DATA (enter gross counts - target >30000, required >10000 counts)

Contact	87,257			86,395	56,932	89,004
+1 cm						
+2 cm						

#### INSTRUMENT EFFICIENCY ( $\epsilon_i$ )

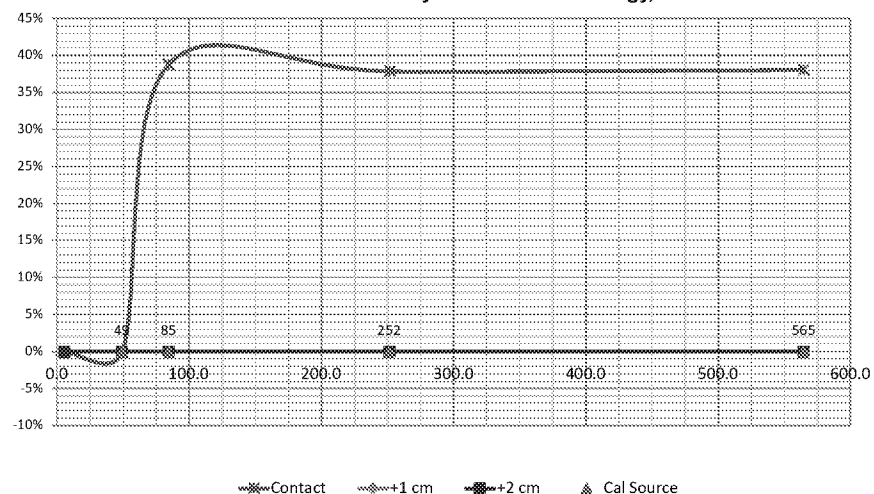
Contact	0.269			0.388	0.379	0.381
+1 cm						
+2 cm						

#### TOTAL EFFICIENCY ( $\epsilon_T$ )

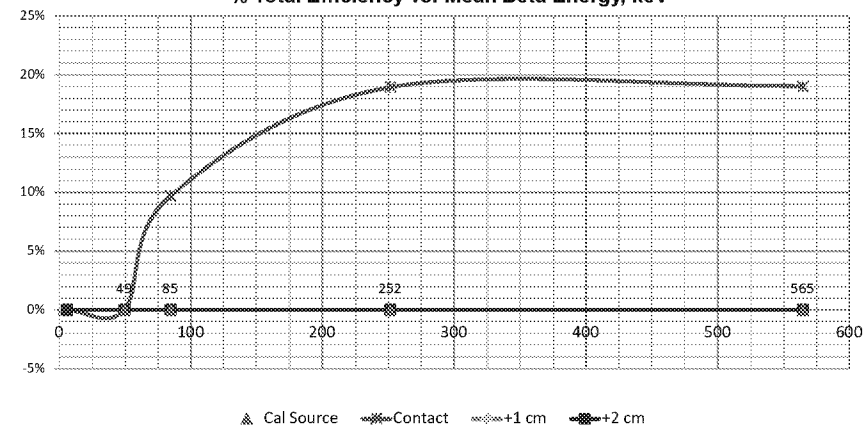
Contact	0.067			0.0970	0.189	0.190
+1 cm						
+2 cm						

### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET

#### % Instrument Efficiency vs. Mean Beta Energy, keV



#### % Total Efficiency vs. Mean Beta Energy, keV



### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET (Rev. 0)

#### INSTRUMENT/TECHNICIAN DETAILS

Instrument	Detector	2pi efficiency data	
Make	Ludlum	Ludlum	Technician (First, Last)
Model	2360	43-37	B. Badaoui
Unique ID#	215271	PR216985	Validation (First, Last)
Cal. Due, YYYY-MM-DD	2020-03-04		Scott Hay
t <sub>b</sub> - Bkgd. Count Time, min	2.0		2 Pi Test Date, YYYY-MM-DD
Bkgd. Total Counts (beta)	930		2019-08-14
Detector Active Area, cm <sup>2</sup>	584		
Window Areal Density, mg/cm <sup>2</sup>	1.2		Test Site
			Hunters Point Naval Shipyard

#### SOURCE DETAILS

Source	Th-230	H-3	C-14	Tc-99	Cl-36	Sr-90
Emission Type	$\alpha$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$
Unique ID#	AC-2446	OR-256	AC-2447	AC-2448	AC-2449	AC-2450
Cert. Date, YYYY-MM-DD	2013-07-25	2006-11-01	2013-04-25	2013-04-25	2013-04-25	2013-05-22
Source Active Area, cm <sup>2</sup>	150	100	150	150	150	150
Radioactive Half-life, yrs	75380	12.3	5700	211100	301000	28.8
Cert. Surface Emission Rate (SER), sec <sup>-1</sup>	1080	1110	1260	1830	2480	4500
Decay Corrected (SER), sec <sup>-1</sup>	1080	541	1259	1830	2480	3873
Mean Emission Energy, keV	4667	5.7	49	85	252	565
End-Point Emission Energy, keV	4684	18.6	156	294	710	2280
$\epsilon_s$ - Source Efficiency	0.25	0.25	0.25	0.25	0.50	0.50
t <sub>s</sub> - Source Count Time, min	5	5	5	2	1	1

#### TEST DATA (enter gross counts - target >30000, required >10000 counts)

Contact	95,377			89,488	59,394	89,597
+1 cm						
+2 cm						

#### INSTRUMENT EFFICIENCY ( $\epsilon_i$ )

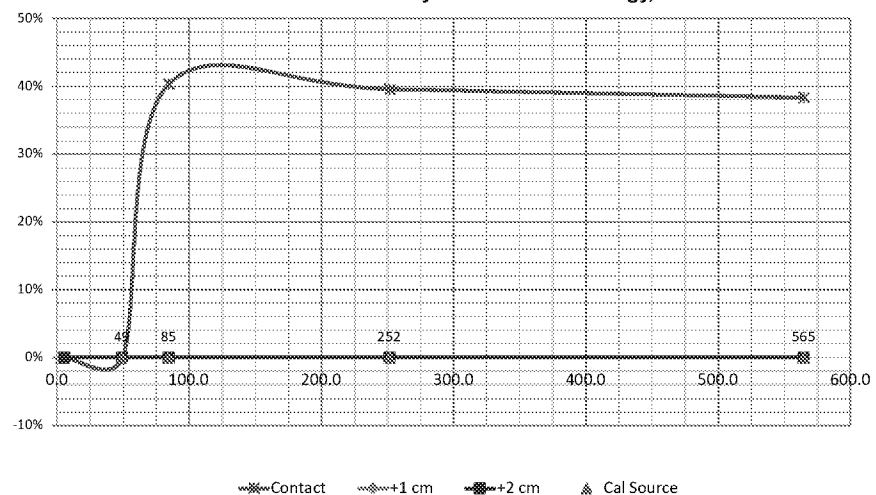
Contact	0.294			0.403	0.396	0.384
+1 cm						
+2 cm						

#### TOTAL EFFICIENCY ( $\epsilon_T$ )

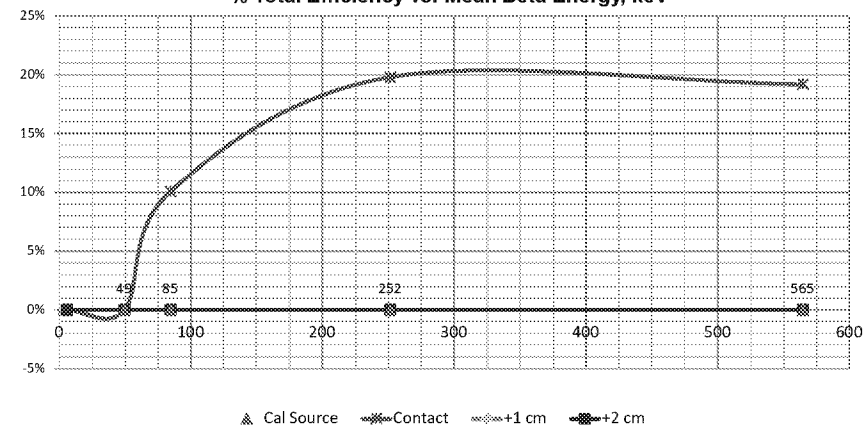
Contact	0.074			0.1008	0.198	0.192
+1 cm						
+2 cm						

### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET

#### % Instrument Efficiency vs. Mean Beta Energy, keV



#### % Total Efficiency vs. Mean Beta Energy, keV



### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET (Rev. 0)

#### INSTRUMENT/TECHNICIAN DETAILS

Instrument		Detector	2pi efficiency data	
Make	Ludlum	Ludlum	Technician (First, Last)	B.Badaoui
Model	2360	43-37		
Unique ID#	220263	PR216985	Validation (First, Last)	Scott Hay
Cal. Due, YYYY-MM-DD	2020-09-03		2 Pi Test Date, YYYY-MM-DD	2019-09-05
t <sub>b</sub> - Bkgd. Count Time, min	2.0			
Bkgd. Total Counts (beta)	1594			
Detector Active Area, cm <sup>2</sup>	584			
Window Areal Density, mg/cm <sup>2</sup>	1.2		Test Site	Hunters Point Naval Shipyard

#### SOURCE DETAILS

Source	Th-230	H-3	C-14	Tc-99	Cl-36	Sr-90
Emission Type	$\alpha$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$
Unique ID#	AC-2446	OR-256	AC-2447	AC-2448	AC-2449	AC-2450
Cert. Date, YYYY-MM-DD	2013-07-25	2006-11-01	2013-04-25	2013-04-25	2013-04-25	2013-05-22
Source Active Area, cm <sup>2</sup>	150	100	150	150	150	150
Radioactive Half-life, yrs	75380	12.3	5700	211100	301000	28.8
Cert. Surface Emission Rate (SER), sec <sup>-1</sup>	1080	1110	1260	1830	2480	4500
Decay Corrected (SER), sec <sup>-1</sup>	1080	539	1259	1830	2480	3867
Mean Emission Energy, keV	4667	5.7	49	85	252	565
End-Point Emission Energy, keV	4684	18.6	156	294	710	2280
$\epsilon_s$ - Source Efficiency	0.25	0.25	0.25	0.25	0.50	0.50
t <sub>s</sub> - Source Count Time, min	5	5	5	2	1	1

#### TEST DATA (enter gross counts - target >30000, required >10000 counts)

Contact	99,845			84,426	62,900	96,573
+1 cm						
+2 cm						

#### INSTRUMENT EFFICIENCY ( $\epsilon_i$ )

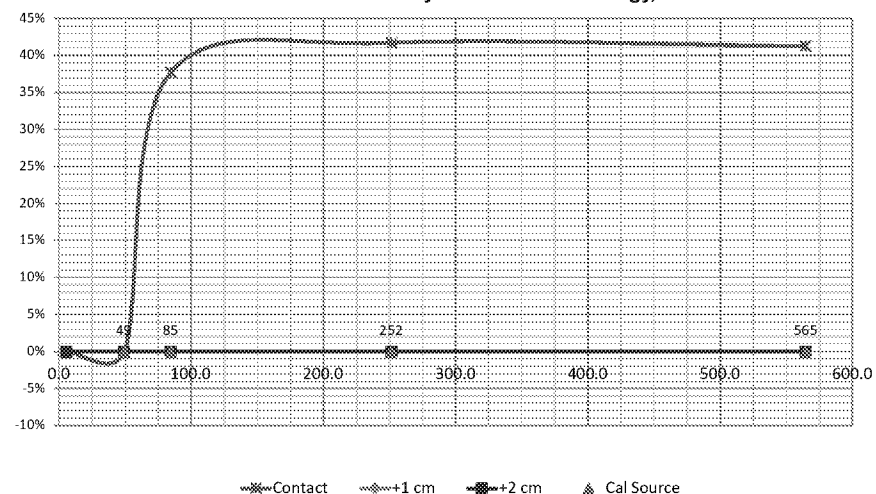
Contact	0.308			0.377	0.417	0.413
+1 cm						
+2 cm						

#### TOTAL EFFICIENCY ( $\epsilon_T$ )

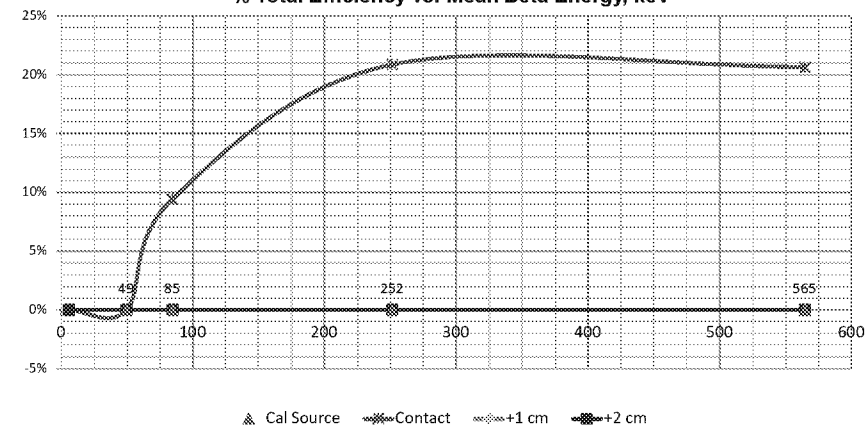
Contact	0.077			0.0943	0.209	0.206
+1 cm						
+2 cm						

### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET

#### % Instrument Efficiency vs. Mean Beta Energy, keV



#### % Total Efficiency vs. Mean Beta Energy, keV



### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET (Rev. 0)

#### INSTRUMENT/TECHNICIAN DETAILS

Instrument	Detector	2pi efficiency data
Make	Ludlum	Ludlum
Model	2360	43-37
Unique ID#	245779	PR190618
Cal. Due, YYYY-MM-DD	2020-09-11	Technician (First, Last)
t <sub>b</sub> - Bkgd. Count Time, min	2.0	Validation (First, Last)
Bkgd. Total Counts (beta)	1296	2 Pi Test Date, YYYY-MM-DD
Detector Active Area, cm <sup>2</sup>	584	2019-09-17
Window Areal Density, mg/cm <sup>2</sup>	1.2	Test Site
		Hunters Point Naval Shipyard

#### SOURCE DETAILS

Source	Th-230	H-3	C-14	Tc-99	Cl-36	Sr-90
Emission Type	$\alpha$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$
Unique ID#	AC-2446	OR-256	AC-2447	AC-2448	AC-2449	AC-2450
Cert. Date, YYYY-MM-DD	2013-07-25	2006-11-01	2013-04-25	2013-04-25	2013-04-25	2013-05-22
Source Active Area, cm <sup>2</sup>	150	100	150	150	150	150
Radioactive Half-life, yrs	75380	12.3	5700	211100	301000	28.8
Cert. Surface Emission Rate (SER), sec <sup>-1</sup>	1080	1110	1260	1830	2480	4500
Decay Corrected (SER), sec <sup>-1</sup>	1080	538	1259	1830	2480	3864
Mean Emission Energy, keV	4667	5.7	49	85	252	565
End-Point Emission Energy, keV	4684	18.6	156	294	710	2280
$\epsilon_s$ - Source Efficiency	0.25	0.25	0.25	0.25	0.50	0.50
t <sub>s</sub> - Source Count Time, min	5	5	5	2	1	1

#### TEST DATA (enter gross counts - target >30000, required >10000 counts)

Contact	85,657			79,670	62,233	96,473
+1 cm						
+2 cm						

#### INSTRUMENT EFFICIENCY ( $\epsilon_i$ )

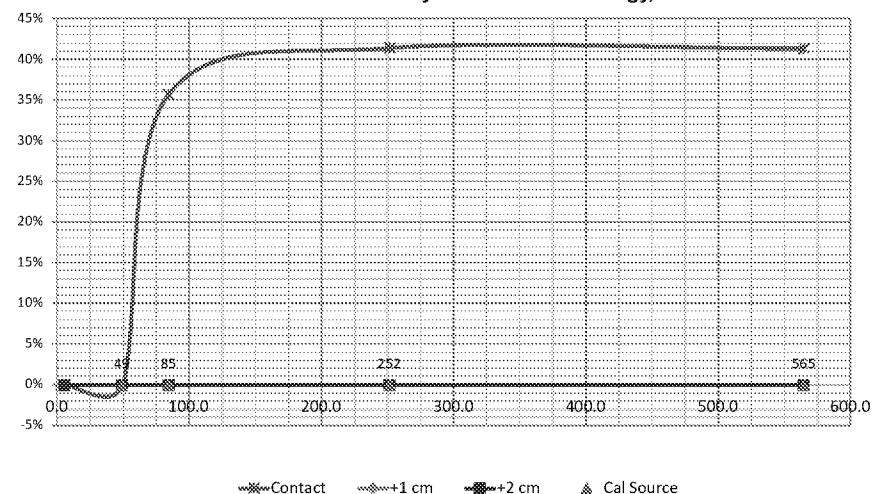
Contact	0.264			0.357	0.414	0.413
+1 cm						
+2 cm						

#### TOTAL EFFICIENCY ( $\epsilon_T$ )

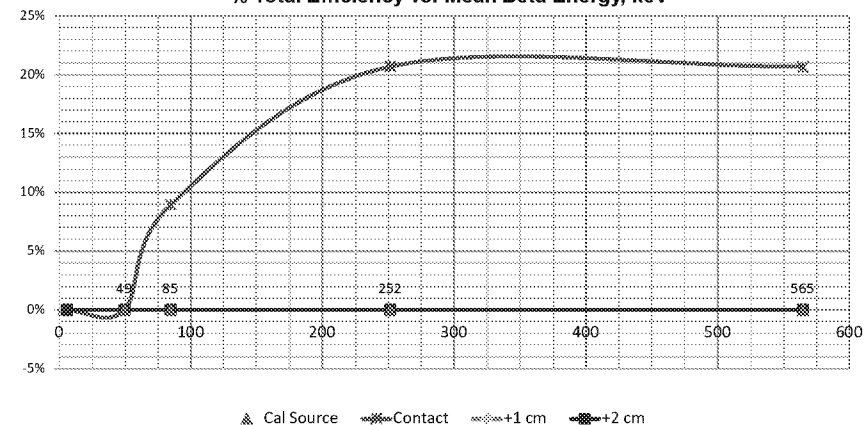
Contact	0.066			0.0892	0.207	0.207
+1 cm						
+2 cm						

### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET

#### % Instrument Efficiency vs. Mean Beta Energy, keV



#### % Total Efficiency vs. Mean Beta Energy, keV





### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET (Rev. 0)

#### INSTRUMENT/TECHNICIAN DETAILS

Instrument	Detector	2pi efficiency data
Make	Ludlum	Ludlum
Model	2360	43-37
Unique ID#	278604	PR190617
Cal. Due, YYYY-MM-DD	2020-09-11	Technician (First, Last)
t <sub>b</sub> - Bkgd. Count Time, min	2.0	Validation (First, Last)
Bkgd. Total Counts (beta)	1286	2 Pi Test Date, YYYY-MM-DD
Detector Active Area, cm <sup>2</sup>	584	2019-09-17
Window Areal Density, mg/cm <sup>2</sup>	1.2	Test Site
		Hunters Point Naval Shipyard

#### SOURCE DETAILS

Source	Th-230	H-3	C-14	Tc-99	Cl-36	Sr-90
Emission Type	$\alpha$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$
Unique ID#	AC-2446	OR-256	AC-2447	AC-2448	AC-2449	AC-2450
Cert. Date, YYYY-MM-DD	2013-07-25	2006-11-01	2013-04-25	2013-04-25	2013-04-25	2013-05-22
Source Active Area, cm <sup>2</sup>	150	100	150	150	150	150
Radioactive Half-life, yrs	75380	12.3	5700	211100	301000	28.8
Cert. Surface Emission Rate (SER), sec <sup>-1</sup>	1080	1110	1260	1830	2480	4500
Decay Corrected (SER), sec <sup>-1</sup>	1080	538	1259	1830	2480	3864
Mean Emission Energy, keV	4667	5.7	49	85	252	565
End-Point Emission Energy, keV	4684	18.6	156	294	710	2280
$\epsilon_s$ - Source Efficiency	0.25	0.25	0.25	0.25	0.50	0.50
t <sub>s</sub> - Source Count Time, min	5	5	5	2	1	1

#### TEST DATA (enter gross counts - target >30000, required >10000 counts)

Contact	87,026			73,285	58,157	91,383
+1 cm						
+2 cm						

#### INSTRUMENT EFFICIENCY ( $\epsilon_i$ )

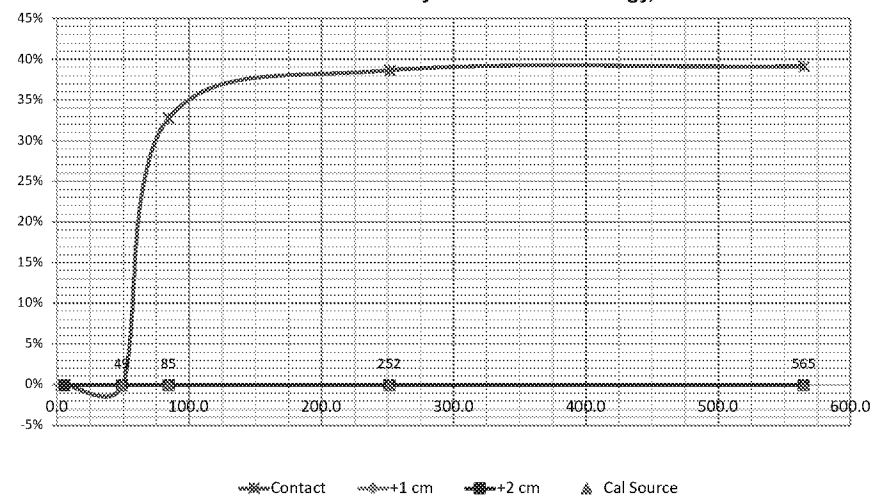
Contact	0.269			0.328	0.387	0.391
+1 cm						
+2 cm						

#### TOTAL EFFICIENCY ( $\epsilon_T$ )

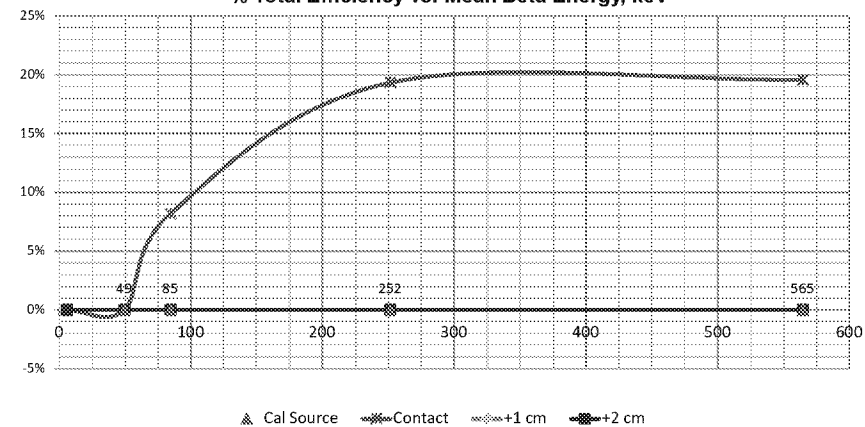
Contact	0.067			0.0820	0.193	0.196
+1 cm						
+2 cm						

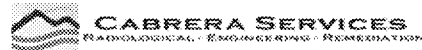
### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET

#### % Instrument Efficiency vs. Mean Beta Energy, keV



#### % Total Efficiency vs. Mean Beta Energy, keV





# ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET (Rev. 0)

## INSTRUMENT/TECHNICIAN DETAILS

Instrument		Detector	2pi efficiency data	
Make	Ludlum	Ludlum	Technician (First, Last)	B.Badaoui/Karl Retherford
Model	2360	43-37		
Unique ID#	220242	PR124946	Validation (First, Last)	Scott Hay
Cal. Due, YYYY-MM-DD	2021-02-28		2 Pi Test Date, YYYY-MM-DD	2020-03-09
t <sub>0</sub> - Bkgd. Count Time, min	2.0			
Bkgd. Total Counts (beta)	1357			
Detector Active Area, cm <sup>2</sup>	584			
Window Areal Density, mg/cm <sup>2</sup>	1.2		Test Site	Hunters Point Parcel F

## SOURCE DETAILS

Source	Th-230	H-3	C-14	Tc-99	Cl-36	Sr-90
Emission Type	$\alpha$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$
Unique ID#	AC-2446	OR-256	AC-2447	AC-2448	AC-2449	AC-2450
Cert. Date, YYYY-MM-DD	2013-07-25	2006-11-01	2013-04-25	2013-04-25	2013-04-25	2013-05-22
Source Active Area, cm <sup>2</sup>	150	100	150	150	150	150
Radioactive Half-life, yrs	75380	12.3	5700	211100	301000	28.8
Cert. Surface Emission Rate (SER), sec <sup>-1</sup>	1080	1110	1260	1830	2480	4500
Decay Corrected (SER), sec <sup>-1</sup>	1080	523	1259	1830	2480	3820
Mean Emission Energy, keV	4667	5.7	49	85	252	565
End-Point Emission Energy, keV	4684	18.6	156	294	710	2280
$\epsilon_s$ - Source Efficiency	0.25	0.25	0.25	0.25	0.50	0.50
t <sub>0</sub> - Source Count Time, min	5	5	5	2	1	1

## TEST DATA (enter gross counts - target >30000, required >10000 counts)

Contact	98,101			82,506	60,277	89,134
+1 cm						
+2 cm						

## INSTRUMENT EFFICIENCY ( $\epsilon_i$ )

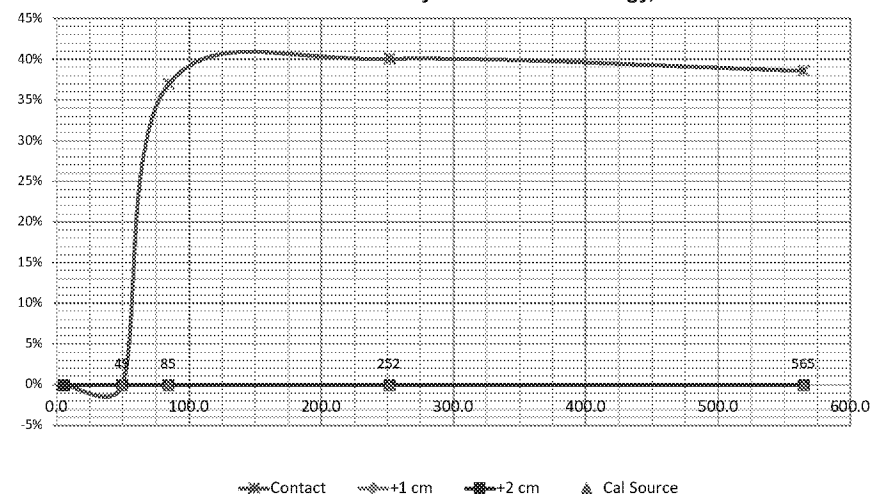
Contact	0.303			0.370	0.401	0.386
+1 cm						
+2 cm						

## TOTAL EFFICIENCY ( $\epsilon_t$ )

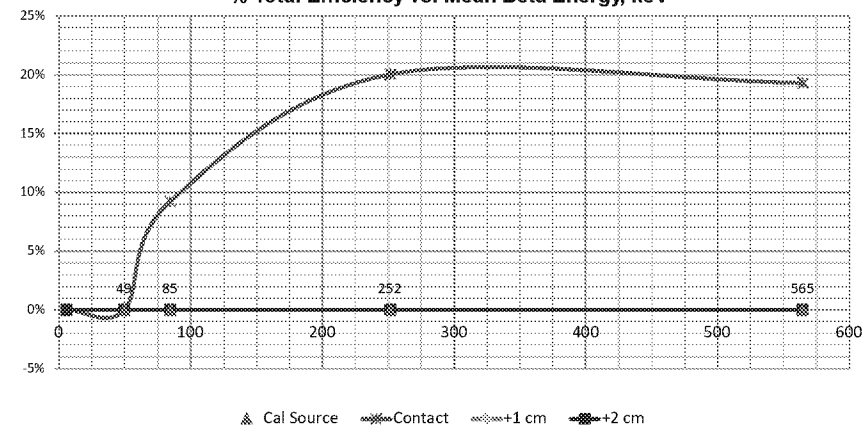
Contact	0.0757			0.0924	0.200	0.193
+1 cm						
+2 cm						

# ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET

## % Instrument Efficiency vs. Mean Beta Energy, keV



## % Total Efficiency vs. Mean Beta Energy, keV



### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET (Rev. 0)

#### INSTRUMENT/TECHNICIAN DETAILS

Instrument		Detector	2pi efficiency data	
Make	Ludlum	Ludlum	Technician (First, Last)	B. Badaoui
Model	2360	43-93		
Unique ID#	184909	PR199841	Validation (First, Last)	Scott Hay
Cal. Due, YYYY-MM-DD	2020-02-19		2 Pi Test Date, YYYY-MM-DD	2019-08-12
t <sub>b</sub> - Bkgd. Count Time, min	2.0			
Bkgd. Total Counts (beta)	273.0			
Detector Active Area, cm <sup>2</sup>	100		Test Site	Hunters Point Naval Shipyard
Window Areal Density, mg/cm <sup>2</sup>	1.2			

#### SOURCE DETAILS

Source	Th-230	H-3	C-14	Tc-99	Cl-36	SrY-90
Emission Type	$\alpha$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$
Unique ID#	AC-2446	OR-256	AC-2447	AC-2448	AC-2449	AC-2450
Cert. Date, YYYY-MM-DD	2013-07-25	2006-11-01	2013-04-25	2013-04-25	2013-04-25	2013-05-22
Source Active Area, cm <sup>2</sup>	150	100	150	150	150	150
Radioactive Half-life, yrs	75380	12.3	5700	211100	301000	28.8
Cert. Surface Emission Rate (SER), sec <sup>-1</sup>	1080	1110	1260	1830	2480	4500
Decay Corrected (SER), sec <sup>-1</sup>	1080	541	1259	1830	2480	3874
Mean Emission Energy, keV	4667	5.7	49	85	252	565
End-Point Emission Energy, keV	4684	18.6	156	294	710	2280
$\epsilon_s$ - Source Efficiency	0.25	0.25	0.25	0.25	0.50	0.50
t <sub>s</sub> - Source Count Time, min	5	5	5	2	1	1

#### TEST DATA (enter gross counts - target >30000, required >10000 counts)

Contact	95,566			40,163	73,327	46,992
+1 cm						
+2 cm						

#### INSTRUMENT EFFICIENCY ( $\epsilon_i$ )

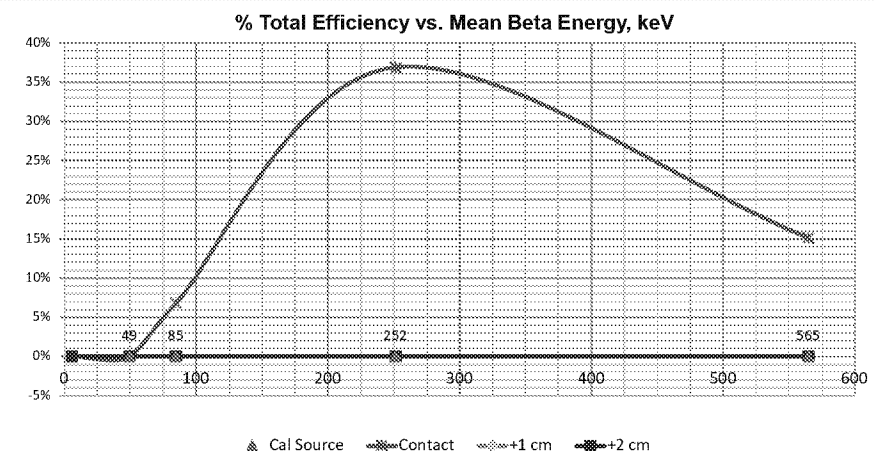
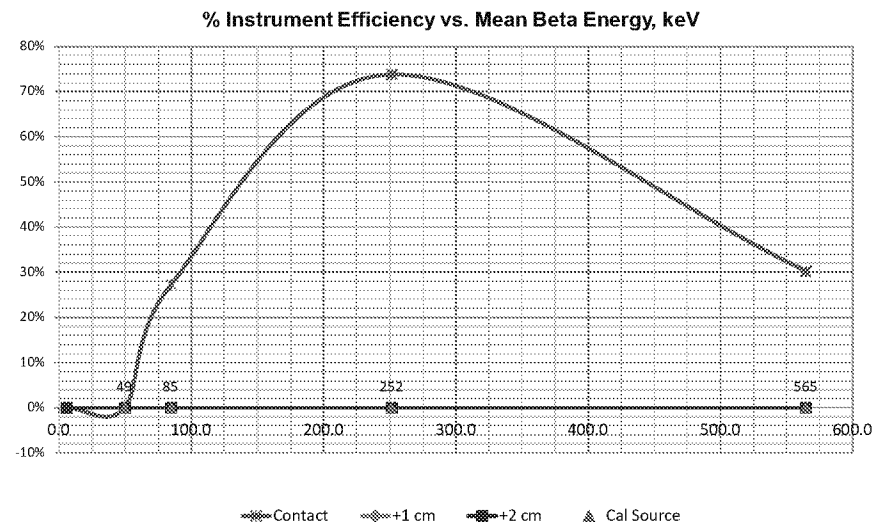
Contact	0.442			0.272	0.738	0.302
+1 cm						
+2 cm						

#### TOTAL EFFICIENCY ( $\epsilon_T$ )

Contact	0.111			0.0681	0.369	0.151
+1 cm						
+2 cm						

### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET

#### EFFICIENCY PLOTS



### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET (Rev. 0)

#### INSTRUMENT/TECHNICIAN DETAILS

Instrument		Detector	2pi efficiency data	
Make	Ludlum	Ludlum	Technician (First, Last)	B.Badaoui
Model	2360	43-37		
Unique ID#	275739	PR302114	Validation (First, Last)	Scott Hay
Cal. Due, YYYY-MM-DD	2020-11-11		2 Pi Test Date, YYYY-MM-DD	2019-11-13
t <sub>b</sub> - Bkgd. Count Time, min	2.0			
Bkgd. Total Counts (beta)	1569			
Detector Active Area, cm <sup>2</sup>	584			
Window Area/ Density, mg/cm <sup>2</sup>	1.2		Test Site	Hunters Point Naval Shipyard

#### SOURCE DETAILS

Source	Th-230	H-3	C-14	Tc-99	Cl-36	Sr-90
Emission Type	$\alpha$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$
Unique ID#	AC-2446	OR-256	AC-2447	AC-2448	AC-2449	AC-2450
Cert. Date, YYYY-MM-DD	2013-07-25	2006-11-01	2013-04-25	2013-04-25	2013-04-25	2013-05-22
Source Active Area, cm <sup>2</sup>	150	100	150	150	150	150
Radioactive Half-life, yrs	75380	12.3	5700	211100	301000	28.8
Cert. Surface Emission Rate (SER), sec <sup>-1</sup>	1080	1110	1260	1830	2480	4500
Decay Corrected (SER), sec <sup>-1</sup>	1080	533	1259	1830	2480	3850
Mean Emission Energy, keV	4667	5.7	49	85	252	565
End-Point Emission Energy, keV	4684	18.6	156	294	710	2280
E <sub>s</sub> - Source Efficiency	0.25	0.25	0.25	0.25	0.50	0.50
t <sub>s</sub> - Source Count Time, min	5	5	5	2	1	1

#### TEST DATA (enter gross counts - target >30000, required >10000 counts)

Contact	98,732			76,051	59,944	91,097
+1 cm						
+2 cm						

#### INSTRUMENT EFFICIENCY ( $\epsilon_i$ )

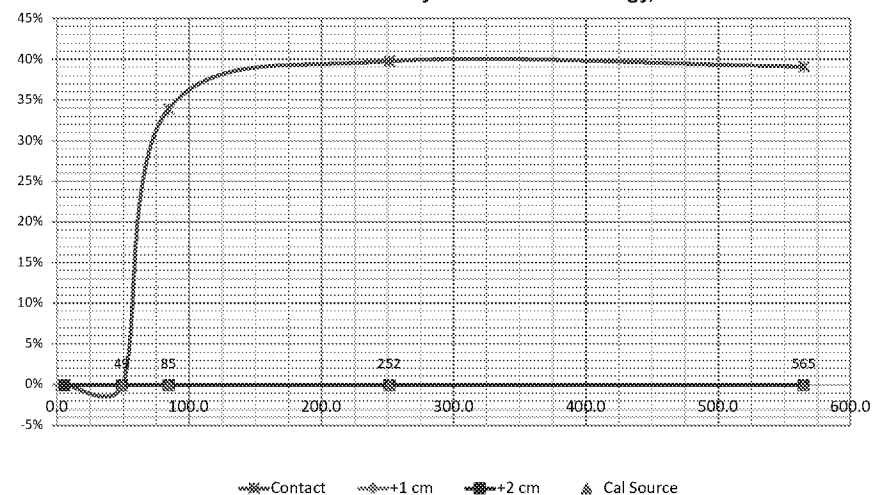
Contact	0.305			0.339	0.398	0.391
+1 cm						
+2 cm						

#### TOTAL EFFICIENCY ( $\epsilon_T$ )

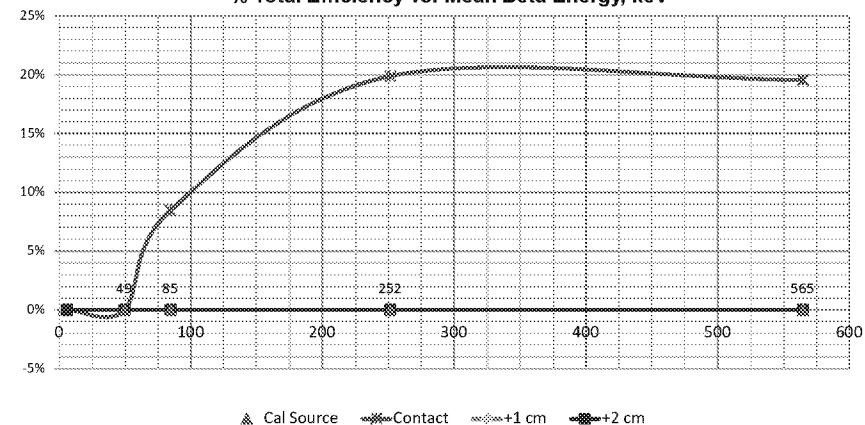
Contact	0.076			0.0848	0.199	0.195
+1 cm						
+2 cm						

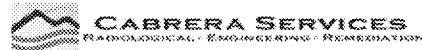
### ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET

#### % Instrument Efficiency vs. Mean Beta Energy, keV



#### % Total Efficiency vs. Mean Beta Energy, keV





# ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET (Rev. 0)

## INSTRUMENT/TECHNICIAN DETAILS

Instrument		Detector	2pi efficiency data	
Make	Ludlum	Ludlum	Technician (First, Last)	B.Badaoui/Karl Retherford
Model	2360	43-93		
Unique ID#	276943	PR199841	Validation (First, Last)	Scott Hay
Cal. Due, YYYY-MM-DD	2021-02-12		2 Pi Test Date, YYYY-MM-DD	2020-03-09
t <sub>b</sub> - Bkgd. Count Time, min	2.0			
Bkgd. Total Counts (beta)	213.0			
Detector Active Area, cm <sup>2</sup>	100		Test Site	Hunters Point Parcel F
Window Areal Density, mg/cm <sup>2</sup>	1.2			

## SOURCE DETAILS

Source	Th-230	H-3	C-14	Tc-99	Cl-36	SrY-90
Emission Type	$\alpha$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$	$\beta^-$
Unique ID#	AC-2446	OR-256	AC-2447	AC-2448	AC-2449	AC-2450
Cert. Date, YYYY-MM-DD	2013-07-25	2006-11-01	2013-04-25	2013-04-25	2013-04-25	2013-05-22
Source Active Area, cm <sup>2</sup>	150	100	150	150	150	150
Radioactive Half-life, yrs	75380	12.3	5700	211100	301000	28.8
Cert. Surface Emission Rate (SER), sec <sup>-1</sup>	1080	1110	1260	1830	2480	4500
Decay Corrected (SER), sec <sup>-1</sup>	1080	523	1259	1830	2480	3820
Mean Emission Energy, keV	4667	5.7	49	85	252	565
End-Point Emission Energy, keV	4684	18.6	156	294	710	2280
$\epsilon_s$ - Source Efficiency	0.25	0.25	0.25	0.25	0.50	0.50
t <sub>s</sub> - Source Count Time, min	5	5	5	2	1	1

## TEST DATA (enter gross counts - target >30000, required >10000 counts)

Contact	88,833			33,053	41,733	62,586
+1 cm						
+2 cm						

## INSTRUMENT EFFICIENCY ( $\epsilon_i$ )

Contact	0.411			0.224	0.420	0.409
+1 cm						
+2 cm						

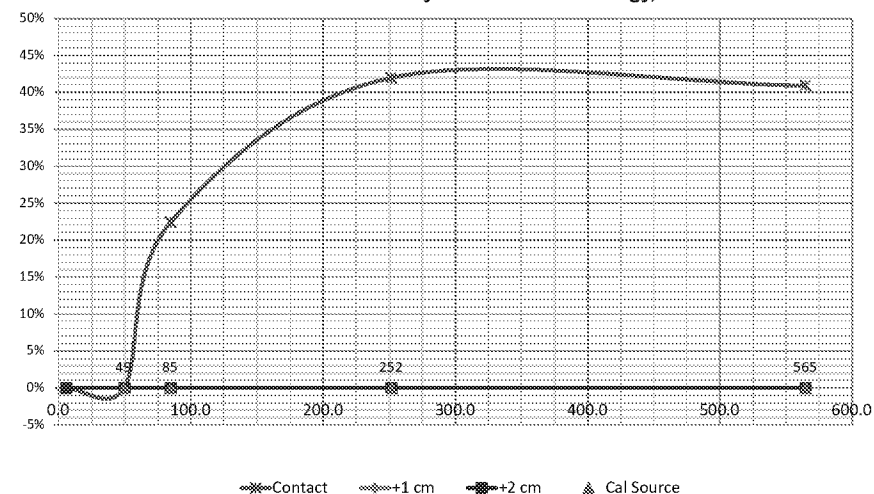
## TOTAL EFFICIENCY ( $\epsilon_t$ )

Contact	0.1028			0.0561	0.210	0.204
+1 cm						
+2 cm						

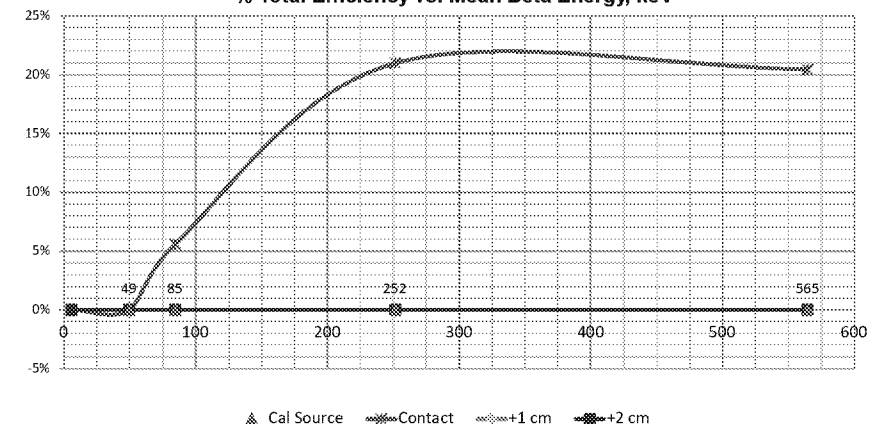
# ISO-7503 EFFICIENCY ( $\epsilon$ ) WORKSHEET

## EFFICIENCY PLOTS

% Instrument Efficiency vs. Mean Beta Energy, keV



% Total Efficiency vs. Mean Beta Energy, keV



## **APPENDIX F GAMMA SURVEY DATA**

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**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
0	-122.363	37.718	2300.187	2089284.492	6022938.264	0	RS-700	0.95714924528
1	-122.363	37.718	2230.019	2089284.492	6022938.235	0	RS-700	0.51584226415
2	-122.363	37.718	2185.218	2089284.492	6022938.235	0	RS-700	0.23407377359
3	-122.363	37.718	2276.577	2089284.493	6022938.206	0	RS-700	0.80866106918
4	-122.363	37.718	2182.101	2089284.493	6022938.206	0	RS-700	0.21447226415
5	-122.363	37.718	2240.131	2089284.529	6022938.207	0	RS-700	0.57943798742
6	-122.363	37.718	2170.883	2089284.529	6022938.207	0	RS-700	0.14392106918
7	-122.363	37.718	2274.054	2089284.493	6022938.206	0	RS-700	0.79279188679
8	-122.363	37.718	2217.450	2089284.493	6022938.206	0	RS-700	0.43679377359
9	-122.363	37.718	2237.796	2089284.418	6022938.291	0	RS-700	0.56475710692
10	-122.363	37.718	2258.916	2089284.270	6022938.433	0	RS-700	0.69758496855
11	-122.363	37.718	2247.796	2089284.084	6022938.603	0	RS-700	0.62764509434
12	-122.363	37.718	2324.185	2089283.562	6022939.229	0	RS-700	1.10808069182
13	-122.363	37.718	2337.182	2089282.961	6022940.143	0	RS-700	1.18982138365
14	-122.363	37.718	2312.419	2089282.177	6022941.111	0	RS-700	1.03408169811
15	-122.363	37.718	2336.180	2089281.500	6022942.168	0	RS-700	1.18351987421
16	-122.363	37.718	2357.838	2089280.673	6022943.453	0	RS-700	1.31973786164
17	-122.363	37.718	2331.185	2089279.958	6022944.625	0	RS-700	1.15210761006
18	-122.363	37.718	2357.603	2089279.168	6022945.911	0	RS-700	1.31825748428
19	-122.363	37.718	2258.397	2089278.340	6022947.254	0	RS-700	0.69431861635
20	-122.363	37.718	2205.677	2089277.402	6022948.653	0	RS-700	0.36274805031
21	-122.363	37.718	2223.681	2089275.011	6022951.672	0	RS-700	0.47597974843
22	-122.363	37.718	2283.263	2089273.999	6022953.070	0	RS-700	0.85070811321
23	-122.363	37.718	2290.268	2089273.061	6022954.469	0	RS-700	0.89476993711
24	-122.363	37.718	2259.232	2089271.977	6022955.894	0	RS-700	0.69957100629
25	-122.363	37.718	2296.404	2089270.750	6022957.142	0	RS-700	0.93335798742
26	-122.363	37.718	2398.708	2089269.486	6022958.448	0	RS-700	1.57678226415
27	-122.363	37.718	2370.198	2089268.366	6022959.814	0	RS-700	1.39746962264
28	-122.363	37.718	2268.479	2089267.280	6022961.297	0	RS-700	0.75772723270
29	-122.363	37.718	2400.210	2089266.193	6022962.837	0	RS-700	1.58622440252
30	-122.363	37.718	2236.795	2089265.218	6022964.264	0	RS-700	0.55846176101
31	-122.363	37.718	2237.018	2089264.206	6022965.720	0	RS-700	0.55986446541
32	-122.363	37.718	2321.174	2089263.014	6022967.027	0	RS-700	1.08914345912
33	-122.363	37.718	2163.552	2089261.746	6022968.535	0	RS-700	0.09781012579
34	-122.363	37.718	2276.697	2089260.588	6022969.987	0	RS-700	0.80941295598
35	-122.363	37.718	2269.259	2089259.467	6022971.411	0	RS-700	0.76263792453
36	-122.363	37.718	2294.042	2089258.385	6022972.750	0	RS-700	0.91850522013
37	-122.363	37.718	2268.689	2089257.301	6022974.146	0	RS-700	0.75904754717
38	-122.363	37.718	2352.535	2089256.180	6022975.541	0	RS-700	1.28638163522
39	-122.363	37.718	2285.809	2089255.057	6022977.110	0	RS-700	0.86672610063
40	-122.363	37.718	2232.669	2089253.969	6022978.708	0	RS-700	0.53250823899
41	-122.363	37.718	2244.799	2089252.992	6022980.222	0	RS-700	0.60880081761
42	-122.363	37.718	2291.051	2089251.943	6022981.676	0	RS-700	0.89969257862
43	-122.363	37.718	2278.597	2089250.897	6022982.986	0	RS-700	0.82136566038
44	-122.363	37.718	2305.397	2089249.850	6022984.383	0	RS-700	0.98991509434



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
45	-122.363	37.718	2230.475	2089248.874	6022985.810	0	RS-700	0.51870886793
46	-122.362	37.718	2199.445	2089248.016	6022986.864	0	RS-700	0.32355194969
47	-122.362	37.718	2226.679	2089247.338	6022987.949	0	RS-700	0.49483779874
48	-122.362	37.718	2232.905	2089246.950	6022989.186	0	RS-700	0.53399270440
49	-122.362	37.718	2077.740	2089246.892	6022990.255	0	RS-700	-0.44188955975
50	-122.362	37.718	2093.850	2089246.953	6022990.864	0	RS-700	-0.34056735849
51	-122.362	37.718	2251.024	2089248.323	6022989.734	0	RS-700	0.64794779874
52	-122.362	37.718	2222.902	2089248.460	6022990.142	0	RS-700	0.47108264151
53	-122.362	37.718	2160.981	2089248.738	6022990.841	0	RS-700	0.08164301887
54	-122.362	37.718	2207.112	2089248.944	6022991.453	0	RS-700	0.37177421384
55	-122.362	37.718	2197.106	2089248.975	6022991.743	0	RS-700	0.30884408805
56	-122.362	37.718	2187.216	2089249.166	6022991.255	0	RS-700	0.24664377359
57	-122.362	37.718	2168.770	2089249.546	6022990.481	0	RS-700	0.13063132076
58	-122.362	37.718	2170.874	2089249.701	6022989.993	0	RS-700	0.14386088050
59	-122.362	37.718	2278.370	2089249.628	6022990.020	0	RS-700	0.81993786164
60	-122.362	37.718	2151.519	2089249.467	6022990.769	0	RS-700	0.02213232704
61	-122.362	37.718	2145.762	2089249.045	6022991.860	0	RS-700	-0.01407647799
62	-122.362	37.718	2262.829	2089247.060	6022994.598	0	RS-700	0.72219616352
63	-122.362	37.718	2177.091	2089246.425	6022995.424	0	RS-700	0.18296138365
64	-122.362	37.718	2209.675	2089245.788	6022996.308	0	RS-700	0.38789603774
65	-122.362	37.718	2263.925	2089245.299	6022997.109	0	RS-700	0.72908672956
66	-122.362	37.718	2237.017	2089244.774	6022997.879	0	RS-700	0.55985320755
67	-122.362	37.718	2166.448	2089245.410	6022997.024	0	RS-700	0.11602383648
68	-122.362	37.718	2165.204	2089244.415	6022997.583	0	RS-700	0.10819993711
69	-122.362	37.718	2186.225	2089243.609	6022997.856	0	RS-700	0.24041044025
70	-122.362	37.718	2199.788	2089243.354	6022997.822	0	RS-700	0.32571333333
71	-122.362	37.718	2107.431	2089242.956	6022997.698	0	RS-700	-0.25515207547
72	-122.362	37.718	2147.550	2089242.014	6022997.477	0	RS-700	-0.00282716981
73	-122.362	37.718	2184.135	2089240.957	6022997.485	0	RS-700	0.22726584906
74	-122.362	37.718	2180.873	2089239.713	6022997.807	0	RS-700	0.20674729560
75	-122.362	37.718	2175.770	2089238.943	6022998.053	0	RS-700	0.17465666667
76	-122.362	37.718	2189.107	2089238.833	6022998.108	0	RS-700	0.25853201258
77	-122.362	37.718	2176.441	2089239.350	6022997.713	0	RS-700	0.17887459120
78	-122.362	37.718	2113.647	2089240.236	6022997.152	0	RS-700	-0.21605553459
79	-122.362	37.718	2144.187	2089240.678	6022996.901	0	RS-700	-0.02398056604
80	-122.362	37.718	2129.549	2089240.422	6022996.954	0	RS-700	-0.11604610063
81	-122.362	37.718	2165.076	2089239.798	6022997.202	0	RS-700	0.10739660377
82	-122.362	37.718	2193.671	2089239.170	6022997.652	0	RS-700	0.28723754717
83	-122.362	37.718	2207.219	2089238.797	6022998.079	0	RS-700	0.37244396226
84	-122.362	37.718	2256.363	2089237.193	6022999.985	0	RS-700	0.68152685535
85	-122.362	37.718	2204.481	2089236.968	6023000.328	0	RS-700	0.35522672956
86	-122.362	37.718	2153.194	2089236.256	6023001.326	0	RS-700	0.03266666667
87	-122.362	37.718	2189.670	2089235.471	6023002.352	0	RS-700	0.26207666667
88	-122.362	37.718	2118.536	2089234.795	6023003.351	0	RS-700	-0.18530716981
89	-122.362	37.718	2141.652	2089233.935	6023004.491	0	RS-700	-0.03992176101

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
90	-122.362	37.718	2163.996	2089233.000	6023005.716	0	RS-700	0.10060641509
91	-122.362	37.718	2188.110	2089232.175	6023006.886	0	RS-700	0.25226320755
92	-122.362	37.718	2155.881	2089231.386	6023008.114	0	RS-700	0.04956358491
93	-122.362	37.718	2234.262	2089230.524	6023009.341	0	RS-700	0.54252886793
94	-122.362	37.718	2215.455	2089229.663	6023010.539	0	RS-700	0.42424408805
95	-122.362	37.718	2194.107	2089228.801	6023011.766	0	RS-700	0.28998163522
96	-122.362	37.718	2243.684	2089227.904	6023012.876	0	RS-700	0.60178301887
97	-122.362	37.718	2087.957	2089226.824	6023014.099	0	RS-700	-0.37763144654
98	-122.362	37.718	2111.540	2089225.782	6023015.235	0	RS-700	-0.22930937107
99	-122.362	37.718	2115.330	2089224.772	6023016.575	0	RS-700	-0.20547465409
100	-122.362	37.718	2081.366	2089223.799	6023017.857	0	RS-700	-0.41908477987
101	-122.362	37.718	2159.202	2089222.901	6023019.084	0	RS-700	0.07045308176
102	-122.362	37.718	2141.190	2089221.963	6023020.454	0	RS-700	-0.04283264151
103	-122.362	37.718	2176.335	2089221.174	6023021.653	0	RS-700	0.17820471698
104	-122.362	37.718	2220.902	2089220.349	6023022.881	0	RS-700	0.45850194969
105	-122.362	37.718	2178.099	2089219.563	6023023.935	0	RS-700	0.18930459120
106	-122.362	37.718	2244.695	2089218.740	6023025.047	0	RS-700	0.60814540881
107	-122.362	37.718	2264.806	2089217.769	6023026.243	0	RS-700	0.73463119497
108	-122.362	37.718	2208.556	2089216.832	6023027.555	0	RS-700	0.38085710692
109	-122.362	37.718	2129.979	2089215.970	6023028.782	0	RS-700	-0.11333666667
110	-122.362	37.718	2200.563	2089215.110	6023029.922	0	RS-700	0.33058660377
111	-122.362	37.718	2120.283	2089214.475	6023030.719	0	RS-700	-0.17432069182
112	-122.362	37.718	2198.563	2089213.945	6023031.750	0	RS-700	0.31800635220
113	-122.362	37.718	2305.283	2089213.192	6023032.979	0	RS-700	0.98920308176
114	-122.362	37.718	2201.451	2089212.331	6023034.119	0	RS-700	0.33616905660
115	-122.362	37.718	2274.805	2089211.548	6023035.059	0	RS-700	0.79751729560
116	-122.362	37.718	2158.656	2089210.917	6023035.653	0	RS-700	0.06702069182
117	-122.362	37.718	2260.486	2089211.329	6023035.054	0	RS-700	0.70746088050
118	-122.362	37.718	2112.329	2089211.212	6023035.486	0	RS-700	-0.22434817610
119	-122.362	37.718	2315.717	2089211.053	6023036.148	0	RS-700	1.05482452830
120	-122.362	37.718	2217.016	2089210.935	6023036.551	0	RS-700	0.43406396226
121	-122.362	37.718	2330.063	2089211.013	6023036.321	0	RS-700	1.14504716981
122	-122.362	37.718	2208.113	2089211.066	6023035.483	0	RS-700	0.37807213837
123	-122.362	37.718	2225.124	2089211.010	6023034.614	0	RS-700	0.48505566038
124	-122.362	37.718	2292.353	2089211.049	6023034.528	0	RS-700	0.90787786164
125	-122.362	37.718	2313.864	2089211.008	6023034.758	0	RS-700	1.04317088050
126	-122.362	37.718	2373.080	2089210.918	6023035.596	0	RS-700	1.41559559748
127	-122.362	37.718	2225.124	2089210.831	6023036.317	0	RS-700	0.48505364780
128	-122.362	37.718	2267.684	2089210.824	6023036.664	0	RS-700	0.75273245283
129	-122.362	37.718	2131.877	2089210.789	6023036.606	0	RS-700	-0.10140163522
130	-122.362	37.718	2225.235	2089210.729	6023035.968	0	RS-700	0.48575685535
131	-122.362	37.718	2152.300	2089210.644	6023034.751	0	RS-700	0.02704622642
132	-122.362	37.718	2285.271	2089210.687	6023034.376	0	RS-700	0.86333937107
133	-122.362	37.718	2213.009	2089210.603	6023034.953	0	RS-700	0.40885943396
134	-122.362	37.718	2240.337	2089210.589	6023035.647	0	RS-700	0.58073754717

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
135	-122.362	37.718	2239.134	2089210.614	6023036.226	0	RS-700	0.57317138365
136	-122.362	37.718	2282.697	2089210.713	6023036.749	0	RS-700	0.84714981132
137	-122.362	37.718	2173.206	2089210.924	6023037.129	0	RS-700	0.15853062893
138	-122.362	37.718	2240.799	2089211.527	6023037.951	0	RS-700	0.58363855346
139	-122.362	37.718	2224.678	2089211.138	6023037.336	0	RS-700	0.48225358491
140	-122.362	37.718	2314.824	2089211.530	6023037.806	0	RS-700	1.04920754717
141	-122.362	37.718	2225.010	2089211.987	6023038.626	0	RS-700	0.48434201258
142	-122.362	37.718	2203.338	2089212.228	6023039.296	0	RS-700	0.34803679245
143	-122.362	37.718	2224.679	2089212.231	6023039.151	0	RS-700	0.48225547170
144	-122.362	37.718	2218.136	2089212.471	6023038.057	0	RS-700	0.44110949686
145	-122.362	37.718	2253.021	2089212.477	6023037.796	0	RS-700	0.66050823899
146	-122.362	37.718	2266.013	2089212.493	6023038.809	0	RS-700	0.74222100629
147	-122.362	37.718	2205.226	2089212.325	6023039.905	0	RS-700	0.35991339623
148	-122.362	37.718	2109.537	2089211.835	6023040.763	0	RS-700	-0.24190867925
149	-122.362	37.718	2230.906	2089211.197	6023041.705	0	RS-700	0.52142226415
150	-122.362	37.718	2212.233	2089210.377	6023042.644	0	RS-700	0.40397823899
151	-122.362	37.718	2251.372	2089209.372	6023043.752	0	RS-700	0.65013792453
152	-122.362	37.718	2235.568	2089208.956	6023044.496	0	RS-700	0.55074169811
153	-122.362	37.718	2100.756	2089208.692	6023044.983	0	RS-700	-0.29713427673
154	-122.362	37.718	2193.564	2089208.058	6023045.693	0	RS-700	0.28656811321
155	-122.362	37.718	2160.870	2089207.215	6023045.995	0	RS-700	0.08094496855
156	-122.362	37.718	2210.680	2089207.803	6023045.717	0	RS-700	0.39421654088
157	-122.362	37.718	2187.779	2089208.779	6023046.084	0	RS-700	0.25018540881
158	-122.362	37.718	2221.464	2089208.484	6023046.251	0	RS-700	0.46203836478
159	-122.362	37.718	2182.771	2089207.582	6023045.857	0	RS-700	0.21868628931
160	-122.362	37.718	2145.767	2089208.203	6023045.754	0	RS-700	-0.01404320755
161	-122.362	37.718	2225.918	2089209.585	6023045.839	0	RS-700	0.49004842767
162	-122.362	37.718	2188.916	2089209.221	6023045.832	0	RS-700	0.25733056604
163	-122.362	37.718	2171.099	2089208.163	6023045.927	0	RS-700	0.14527465409
164	-122.362	37.718	2207.667	2089206.962	6023045.903	0	RS-700	0.37526389937
165	-122.362	37.718	2184.447	2089205.725	6023045.820	0	RS-700	0.22922345912
166	-122.362	37.718	2240.917	2089204.821	6023045.513	0	RS-700	0.58438188679
167	-122.362	37.718	2259.806	2089204.168	6023045.384	0	RS-700	0.70318540881
168	-122.362	37.718	2264.938	2089203.720	6023045.925	0	RS-700	0.73545830189
169	-122.362	37.718	2209.781	2089202.953	6023046.054	0	RS-700	0.38856075472
170	-122.362	37.718	2177.653	2089203.136	6023045.971	0	RS-700	0.18649748428
171	-122.362	37.718	2281.697	2089204.090	6023045.614	0	RS-700	0.84086264151
172	-122.362	37.718	2280.731	2089204.127	6023045.586	0	RS-700	0.83478823899
173	-122.362	37.718	2227.788	2089203.469	6023045.718	0	RS-700	0.50180968554
174	-122.362	37.718	2237.684	2089202.918	6023045.967	0	RS-700	0.56405132076
175	-122.362	37.718	2132.187	2089202.787	6023045.212	0	RS-700	-0.09944981132
176	-122.362	37.718	2239.684	2089203.331	6023045.339	0	RS-700	0.57662987421
177	-122.362	37.718	2130.957	2089204.528	6023045.594	0	RS-700	-0.10718911950
178	-122.362	37.718	2226.237	2089205.081	6023045.229	0	RS-700	0.49205691824
179	-122.362	37.718	2237.914	2089204.646	6023045.162	0	RS-700	0.56549490566

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
180	-122.362	37.718	2172.090	2089203.917	6023045.177	0	RS-700	0.15151226415
181	-122.362	37.718	2179.883	2089203.222	6023045.337	0	RS-700	0.20052345912
182	-122.362	37.718	2175.560	2089204.492	6023045.564	0	RS-700	0.17333163522
183	-122.362	37.718	2236.574	2089206.085	6023046.030	0	RS-700	0.55706830189
184	-122.362	37.718	2151.766	2089208.076	6023046.619	0	RS-700	0.02368471698
185	-122.362	37.718	2173.234	2089209.319	6023046.413	0	RS-700	0.15870484277
186	-122.362	37.718	2209.455	2089208.447	6023046.280	0	RS-700	0.38650830189
187	-122.362	37.718	2191.902	2089206.699	6023046.303	0	RS-700	0.27611308176
188	-122.362	37.718	2199.105	2089204.985	6023046.413	0	RS-700	0.32141232704
189	-122.362	37.718	2183.104	2089203.417	6023046.527	0	RS-700	0.22078012579
190	-122.362	37.718	2240.242	2089202.428	6023046.796	0	RS-700	0.58013930818
191	-122.362	37.718	2261.028	2089201.507	6023047.328	0	RS-700	0.71086792453
192	-122.362	37.718	2339.068	2089200.915	6023047.808	0	RS-700	1.20168584906
193	-122.362	37.718	2292.694	2089200.428	6023048.463	0	RS-700	0.91002264151
194	-122.362	37.718	2360.004	2089199.788	6023049.521	0	RS-700	1.33335849057
195	-122.362	37.718	2423.344	2089199.104	6023050.954	0	RS-700	1.73172119497
196	-122.362	37.718	2401.335	2089198.277	6023052.239	0	RS-700	1.59330132075
197	-122.362	37.718	2346.060	2089197.484	6023053.670	0	RS-700	1.24566169811
198	-122.362	37.718	2385.326	2089196.815	6023054.351	0	RS-700	1.49261880503
199	-122.362	37.718	2389.324	2089196.431	6023055.356	0	RS-700	1.51775987421
200	-122.362	37.718	2376.554	2089195.779	6023056.992	0	RS-700	1.43744628931
201	-122.362	37.718	2310.707	2089195.743	6023056.991	0	RS-700	1.02331352201
202	-122.362	37.718	2299.709	2089195.706	6023056.990	0	RS-700	0.95414723270
203	-122.362	37.718	2386.609	2089195.176	6023057.992	0	RS-700	1.50068509434
204	-122.362	37.718	2420.741	2089194.942	6023058.769	0	RS-700	1.71535289308
205	-122.362	37.718	2361.611	2089194.778	6023059.691	0	RS-700	1.34346345912
206	-122.362	37.718	2382.852	2089194.573	6023060.845	0	RS-700	1.47705660377
207	-122.362	37.718	2453.363	2089194.329	6023062.142	0	RS-700	1.92052446541
208	-122.362	37.718	2470.015	2089194.123	6023063.324	0	RS-700	2.02525182390
209	-122.362	37.718	2371.602	2089193.699	6023064.530	0	RS-700	1.40630408805
210	-122.362	37.718	2465.245	2089192.986	6023065.586	0	RS-700	1.99525389937
211	-122.362	37.718	2354.547	2089192.165	6023066.554	0	RS-700	1.29903729560
212	-122.362	37.718	2308.942	2089191.316	6023067.144	0	RS-700	1.01221245283
213	-122.362	37.718	2337.178	2089190.501	6023067.851	0	RS-700	1.18979672956
214	-122.362	37.718	2411.979	2089189.545	6023068.266	0	RS-700	1.66024610063
215	-122.362	37.718	2337.547	2089188.842	6023068.831	0	RS-700	1.19212081761
216	-122.362	37.718	2399.213	2089187.823	6023068.811	0	RS-700	1.57995836478
217	-122.362	37.718	2355.077	2089186.809	6023068.530	0	RS-700	1.30236836478
218	-122.362	37.718	2369.212	2089186.036	6023068.920	0	RS-700	1.39127069182
219	-122.362	37.718	2345.308	2089185.112	6023069.625	0	RS-700	1.24092767296
220	-122.362	37.718	2302.236	2089184.224	6023070.301	0	RS-700	0.97003767296
221	-122.362	37.718	2359.722	2089183.552	6023071.127	0	RS-700	1.33158616352
222	-122.362	37.718	2339.302	2089182.912	6023072.185	0	RS-700	1.20315452830
223	-122.362	37.718	2262.256	2089182.235	6023073.270	0	RS-700	0.71859062893
224	-122.362	37.718	2257.691	2089181.519	6023074.471	0	RS-700	0.68987836478

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
225	-122.362	37.718	2287.391	2089180.768	6023075.585	0	RS-700	0.87667194969
226	-122.362	37.718	2298.805	2089180.055	6023076.670	0	RS-700	0.94845867925
227	-122.362	37.718	2249.574	2089179.267	6023077.811	0	RS-700	0.63882716981
228	-122.362	37.718	2311.169	2089178.411	6023078.749	0	RS-700	1.02622163522
229	-122.362	37.718	2288.698	2089177.664	6023079.689	0	RS-700	0.88489182390
230	-122.362	37.718	2395.974	2089177.027	6023080.602	0	RS-700	1.55958490566
231	-122.362	37.718	2218.334	2089176.424	6023081.602	0	RS-700	0.44235490566
232	-122.362	37.718	2243.686	2089175.904	6023082.142	0	RS-700	0.60180138365
233	-122.362	37.718	2290.488	2089175.642	6023082.484	0	RS-700	0.89614962264
234	-122.362	37.718	2235.683	2089175.568	6023082.540	0	RS-700	0.55146654088
235	-122.362	37.718	2196.110	2089175.605	6023082.512	0	RS-700	0.30258062893
236	-122.362	37.718	2320.406	2089175.604	6023082.541	0	RS-700	1.08431503145
237	-122.362	37.718	2262.926	2089175.568	6023082.511	0	RS-700	0.72280433962
238	-122.362	37.718	2311.410	2089175.284	6023082.187	0	RS-700	1.02773383648
239	-122.362	37.718	2262.805	2089174.912	6023082.556	0	RS-700	0.72204635220
240	-122.362	37.718	2196.217	2089174.922	6023083.887	0	RS-700	0.30325125786
241	-122.362	37.718	2244.801	2089174.478	6023084.254	0	RS-700	0.60881100629
242	-122.362	37.718	2226.467	2089174.675	6023085.300	0	RS-700	0.49350132076
243	-122.362	37.718	2240.799	2089174.650	6023084.720	0	RS-700	0.58363949686
244	-122.362	37.718	2337.059	2089174.672	6023083.622	0	RS-700	1.18905018868
245	-122.362	37.718	2188.450	2089174.672	6023083.622	0	RS-700	0.25440207547
246	-122.362	37.718	2250.575	2089174.554	6023084.053	0	RS-700	0.64512446541
247	-122.362	37.718	2339.827	2089174.541	6023084.747	0	RS-700	1.20645635220
248	-122.362	37.718	2285.597	2089174.638	6023085.357	0	RS-700	0.86538861635
249	-122.362	37.718	2271.265	2089174.955	6023085.884	0	RS-700	0.77524855346
250	-122.362	37.718	2259.926	2089175.205	6023086.120	0	RS-700	0.70393886793
251	-122.362	37.718	2290.929	2089175.526	6023086.474	0	RS-700	0.89892534591
252	-122.362	37.718	2325.825	2089175.950	6023087.119	0	RS-700	1.11839528302
253	-122.362	37.718	2238.136	2089176.223	6023088.050	0	RS-700	0.56689534591
254	-122.362	37.718	2250.572	2089176.232	6023087.587	0	RS-700	0.64510716981
255	-122.362	37.718	2273.466	2089176.621	6023086.351	0	RS-700	0.78909415094
256	-122.362	37.718	2346.955	2089177.372	6023085.209	0	RS-700	1.25129207547
257	-122.362	37.718	2344.720	2089177.487	6023084.922	0	RS-700	1.23723194969
258	-122.362	37.718	2318.937	2089176.880	6023086.153	0	RS-700	1.07507559748
259	-122.362	37.718	2332.525	2089176.232	6023087.616	0	RS-700	1.16053716981
260	-122.362	37.718	2317.595	2089175.583	6023089.079	0	RS-700	1.06663283019
261	-122.362	37.718	2296.704	2089174.795	6023090.249	0	RS-700	0.93524226415
262	-122.362	37.718	2301.628	2089173.827	6023091.329	0	RS-700	0.96621534591
263	-122.362	37.718	2298.047	2089173.004	6023092.441	0	RS-700	0.94369295598
264	-122.362	37.718	2229.130	2089172.293	6023093.382	0	RS-700	0.51025088050
265	-122.362	37.718	2240.022	2089171.332	6023094.086	0	RS-700	0.57875377359
266	-122.362	37.718	2334.063	2089170.199	6023094.295	0	RS-700	1.17020729560
267	-122.362	37.718	2259.541	2089168.996	6023094.328	0	RS-700	0.70151433962
268	-122.362	37.718	2382.206	2089168.480	6023094.665	0	RS-700	1.47299062893
269	-122.362	37.718	2242.571	2089167.355	6023094.440	0	RS-700	0.59478345912

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
270	-122.362	37.718	2242.246	2089166.562	6023094.049	0	RS-700	0.59274037736
271	-122.362	37.718	2329.078	2089167.734	6023093.696	0	RS-700	1.13885628931
272	-122.362	37.718	2304.635	2089168.537	6023093.596	0	RS-700	0.98512698113
273	-122.362	37.718	2359.094	2089167.881	6023093.641	0	RS-700	1.32763427673
274	-122.362	37.718	2313.287	2089167.468	6023094.269	0	RS-700	1.03954000000
275	-122.362	37.718	2341.052	2089166.626	6023094.484	0	RS-700	1.21416188679
276	-122.362	37.718	2361.963	2089166.701	6023094.370	0	RS-700	1.34567742138
277	-122.362	37.718	2338.602	2089167.512	6023093.865	0	RS-700	1.19875723270
278	-122.362	37.718	2226.683	2089168.067	6023093.471	0	RS-700	0.49486018868
279	-122.362	37.718	2304.933	2089167.590	6023093.606	0	RS-700	0.98699855346
280	-122.362	37.718	2352.305	2089166.820	6023093.909	0	RS-700	1.28493773585
281	-122.362	37.718	2226.125	2089166.488	6023094.076	0	RS-700	0.49134968554
282	-122.362	37.718	2231.922	2089166.262	6023094.477	0	RS-700	0.52780867925
283	-122.362	37.718	2275.695	2089165.710	6023094.784	0	RS-700	0.80311440252
284	-122.362	37.718	2257.031	2089165.663	6023095.304	0	RS-700	0.68572811321
285	-122.362	37.718	2202.672	2089165.250	6023095.932	0	RS-700	0.34384610063
286	-122.362	37.718	2217.900	2089164.718	6023097.021	0	RS-700	0.43962534591
287	-122.362	37.718	2303.707	2089163.969	6023098.076	0	RS-700	0.97928993711
288	-122.362	37.718	2319.935	2089163.180	6023099.275	0	RS-700	1.08135283019
289	-122.362	37.718	2367.196	2089162.281	6023100.531	0	RS-700	1.37859050314
290	-122.362	37.718	2386.577	2089161.426	6023101.410	0	RS-700	1.50048723270
291	-122.362	37.718	2421.707	2089160.934	6023102.355	0	RS-700	1.72142955975
292	-122.362	37.718	2338.726	2089160.819	6023102.613	0	RS-700	1.19953232704
293	-122.362	37.718	2413.860	2089160.916	6023101.400	0	RS-700	1.67207415094
294	-122.362	37.718	2278.698	2089160.924	6023101.024	0	RS-700	0.82200100629
295	-122.362	37.718	2320.404	2089160.765	6023101.686	0	RS-700	1.08430408805
296	-122.362	37.718	2361.789	2089160.717	6023102.264	0	RS-700	1.34458245283
297	-122.362	37.718	2415.336	2089160.916	6023103.252	0	RS-700	1.68135748428
298	-122.362	37.718	2399.344	2089161.372	6023104.129	0	RS-700	1.58078119497
299	-122.362	37.718	2282.569	2089161.541	6023104.769	0	RS-700	0.84634742138
300	-122.362	37.718	2387.207	2089161.636	6023105.494	0	RS-700	1.50444484277
301	-122.362	37.718	2409.618	2089161.623	6023106.159	0	RS-700	1.64539742138
302	-122.362	37.718	2397.343	2089161.210	6023106.787	0	RS-700	1.56819522013
303	-122.362	37.718	2371.830	2089160.566	6023108.018	0	RS-700	1.40773867925
304	-122.362	37.718	2311.759	2089159.808	6023109.508	0	RS-700	1.02993044025
305	-122.362	37.718	2265.574	2089159.011	6023111.112	0	RS-700	0.73945855346
306	-122.362	37.718	2371.957	2089158.253	6023112.630	0	RS-700	1.40853591195
307	-122.362	37.718	2399.096	2089158.025	6023113.117	0	RS-700	1.57922100629
308	-122.362	37.718	2353.306	2089158.298	6023112.197	0	RS-700	1.29123459119
309	-122.362	37.718	2331.527	2089158.426	6023111.245	0	RS-700	1.15425628931
310	-122.362	37.718	2322.592	2089158.580	6023110.843	0	RS-700	1.09806339623
311	-122.362	37.718	2347.719	2089158.275	6023111.531	0	RS-700	1.25609132075
312	-122.362	37.718	2384.969	2089158.116	6023112.164	0	RS-700	1.49037358491
313	-122.362	37.718	2312.489	2089158.353	6023111.272	0	RS-700	1.03451924528
314	-122.362	37.718	2212.913	2089158.993	6023110.186	0	RS-700	0.40825830189

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
315	-122.362	37.718	2345.829	2089159.707	6023109.072	0	RS-700	1.24420522013
316	-122.362	37.718	2434.231	2089160.123	6023108.328	0	RS-700	1.80019742138
317	-122.362	37.718	2325.944	2089159.825	6023108.640	0	RS-700	1.11914320755
318	-122.362	37.718	2382.724	2089159.222	6023109.669	0	RS-700	1.47625169811
319	-122.362	37.718	2355.546	2089158.576	6023111.016	0	RS-700	1.30532194969
320	-122.362	37.718	2347.364	2089158.333	6023112.255	0	RS-700	1.25386389937
321	-122.362	37.718	2402.569	2089158.422	6023113.270	0	RS-700	1.60106534591
322	-122.362	37.718	2285.500	2089158.660	6023114.114	0	RS-700	0.86478031447
323	-122.362	37.718	2324.059	2089158.718	6023114.867	0	RS-700	1.10728811321
324	-122.362	37.718	2339.717	2089158.714	6023115.069	0	RS-700	1.20576446541
325	-122.362	37.718	2349.479	2089159.132	6023114.210	0	RS-700	1.26716220126
326	-122.362	37.718	2302.711	2089159.661	6023113.237	0	RS-700	0.97302308176
327	-122.362	37.718	2368.197	2089160.297	6023112.381	0	RS-700	1.38488691824
328	-122.362	37.718	2326.050	2089160.449	6023112.095	0	RS-700	1.11981232704
329	-122.362	37.718	2366.204	2089159.809	6023113.124	0	RS-700	1.37235459119
330	-122.362	37.718	2363.961	2089158.946	6023114.380	0	RS-700	1.35824666667
331	-122.362	37.718	2326.175	2089158.049	6023115.548	0	RS-700	1.12059584906
332	-122.362	37.718	2272.500	2089157.409	6023116.577	0	RS-700	0.78301716981
333	-122.362	37.718	2186.448	2089156.512	6023117.745	0	RS-700	0.24181075472
334	-122.362	37.718	2320.577	2089155.953	6023118.370	0	RS-700	1.08539232704
335	-122.362	37.718	2193.094	2089155.654	6023118.769	0	RS-700	0.28361157233
336	-122.362	37.718	2207.675	2089155.205	6023119.397	0	RS-700	0.37531559748
337	-122.362	37.718	2186.105	2089154.496	6023120.222	0	RS-700	0.23965245283
338	-122.362	37.718	2196.446	2089153.681	6023120.900	0	RS-700	0.30469333333
339	-122.362	37.718	2156.988	2089152.901	6023121.665	0	RS-700	0.05652515723
340	-122.362	37.718	2244.250	2089151.936	6023122.601	0	RS-700	0.60534698113
341	-122.362	37.718	2200.000	2089150.863	6023123.447	0	RS-700	0.32704666667
342	-122.362	37.718	2159.338	2089149.723	6023124.003	0	RS-700	0.07130792453
343	-122.362	37.718	2279.700	2089148.588	6023124.299	0	RS-700	0.82830465409
344	-122.362	37.718	2103.648	2089147.424	6023124.247	0	RS-700	-0.27894364780
345	-122.362	37.718	2181.777	2089146.222	6023124.223	0	RS-700	0.21243245283
346	-122.362	37.718	2223.566	2089145.091	6023124.316	0	RS-700	0.47525672956
347	-122.362	37.718	2146.192	2089144.182	6023124.269	0	RS-700	-0.01137327044
348	-122.362	37.718	2224.008	2089143.484	6023124.545	0	RS-700	0.47803823899
349	-122.362	37.718	2223.900	2089142.681	6023124.644	0	RS-700	0.47736044025
350	-122.362	37.718	2221.902	2089142.718	6023124.616	0	RS-700	0.46479025157
351	-122.362	37.718	2214.346	2089143.428	6023123.705	0	RS-700	0.41726748428
352	-122.362	37.718	2207.338	2089143.762	6023123.393	0	RS-700	0.37319352201
353	-122.362	37.718	2185.215	2089143.431	6023123.589	0	RS-700	0.23405867925
354	-122.362	37.718	2202.676	2089142.950	6023123.955	0	RS-700	0.34387610063
355	-122.362	37.718	2156.317	2089142.387	6023124.783	0	RS-700	0.05230874214
356	-122.362	37.718	2153.228	2089141.783	6023125.870	0	RS-700	0.03287754717
357	-122.362	37.718	2352.833	2089141.251	6023126.988	0	RS-700	1.28825534591
358	-122.362	37.718	2251.800	2089140.576	6023127.958	0	RS-700	0.65283276730
359	-122.362	37.718	2208.449	2089139.795	6023128.753	0	RS-700	0.38018264151

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
360	-122.362	37.718	2157.867	2089139.052	6023129.490	0	RS-700	0.06205943396
361	-122.362	37.718	2218.572	2089138.451	6023130.404	0	RS-700	0.44384811321
362	-122.362	37.718	2215.678	2089138.253	6023131.239	0	RS-700	0.42564886793
363	-122.362	37.718	2267.145	2089138.130	6023131.931	0	RS-700	0.74933836478
364	-122.362	37.718	2212.891	2089138.118	6023132.509	0	RS-700	0.40812238994
365	-122.362	37.718	2322.405	2089138.181	6023133.002	0	RS-700	1.09688496855
366	-122.362	37.718	2301.703	2089138.321	6023133.294	0	RS-700	0.96668761006
367	-122.362	37.718	2269.153	2089138.641	6023133.706	0	RS-700	0.76196540881
368	-122.362	37.718	2283.035	2089138.994	6023134.263	0	RS-700	0.84927691824
369	-122.362	37.718	2190.677	2089139.238	6023134.817	0	RS-700	0.26840924528
370	-122.362	37.718	2299.403	2089139.336	6023135.340	0	RS-700	0.95221867925
371	-122.362	37.718	2259.358	2089139.368	6023135.572	0	RS-700	0.70036622642
372	-122.362	37.718	2267.691	2089139.445	6023135.371	0	RS-700	0.75277446541
373	-122.362	37.718	2241.017	2089139.866	6023134.338	0	RS-700	0.58501471698
374	-122.362	37.718	2386.208	2089140.508	6023133.193	0	RS-700	1.49816553459
375	-122.362	37.718	2326.944	2089140.660	6023132.878	0	RS-700	1.12543610063
376	-122.362	37.718	2371.323	2089140.241	6023133.796	0	RS-700	1.40454408805
377	-122.362	37.718	2312.716	2089139.711	6023134.827	0	RS-700	1.03594654088
378	-122.362	37.718	2312.050	2089139.145	6023135.828	0	RS-700	1.03175899371
379	-122.362	37.718	2288.073	2089138.545	6023136.655	0	RS-700	0.88096100629
380	-122.362	37.718	2297.709	2089137.798	6023137.595	0	RS-700	0.94156867925
381	-122.362	37.718	2410.868	2089137.013	6023138.621	0	RS-700	1.65325559748
382	-122.362	37.718	2315.865	2089136.412	6023139.534	0	RS-700	1.05575471698
383	-122.362	37.718	2354.076	2089135.885	6023140.421	0	RS-700	1.29607289308
384	-122.362	37.718	2260.144	2089135.254	6023141.016	0	RS-700	0.70530779874
385	-122.362	37.718	2377.205	2089134.663	6023141.409	0	RS-700	1.44153930818
386	-122.362	37.718	2338.066	2089134.664	6023141.380	0	RS-700	1.19538433962
387	-122.362	37.718	2232.797	2089135.357	6023141.307	0	RS-700	0.53331477987
388	-122.362	37.718	2347.352	2089136.198	6023141.150	0	RS-700	1.25378389937
389	-122.362	37.718	2339.834	2089135.685	6023141.285	0	RS-700	1.20650037736
390	-122.362	37.718	2314.403	2089134.516	6023141.464	0	RS-700	1.04656157233
391	-122.362	37.718	2326.704	2089133.352	6023141.441	0	RS-700	1.12392503145
392	-122.362	37.718	2394.608	2089132.408	6023141.277	0	RS-700	1.55099289308
393	-122.362	37.718	2367.462	2089131.609	6023141.146	0	RS-700	1.38026327044
394	-122.362	37.718	2404.579	2089130.916	6023141.190	0	RS-700	1.61370654088
395	-122.362	37.718	2309.401	2089129.965	6023141.431	0	RS-700	1.01509993711
396	-122.362	37.718	2382.088	2089129.561	6023141.568	0	RS-700	1.47224987421
397	-122.362	37.718	2362.831	2089130.558	6023140.922	0	RS-700	1.35114144654
398	-122.362	37.718	2320.710	2089131.001	6023140.584	0	RS-700	1.08622811321
399	-122.362	37.718	2288.700	2089130.341	6023140.831	0	RS-700	0.88490515723
400	-122.362	37.718	2352.723	2089129.641	6023141.222	0	RS-700	1.28756849057
401	-122.362	37.718	2368.444	2089129.084	6023141.790	0	RS-700	1.38644251572
402	-122.362	37.718	2326.402	2089129.085	6023141.732	0	RS-700	1.12202308176
403	-122.362	37.718	2349.956	2089127.922	6023143.445	0	RS-700	1.27016389937
404	-122.362	37.718	2343.597	2089127.660	6023143.787	0	RS-700	1.23017251572



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
405	-122.362	37.718	2306.820	2089127.023	6023144.700	0	RS-700	0.99887062893
406	-122.362	37.718	2284.155	2089127.733	6023143.788	0	RS-700	0.85632094340
407	-122.362	37.718	2287.810	2089127.023	6023144.700	0	RS-700	0.87930578616
408	-122.362	37.718	2309.637	2089126.461	6023145.470	0	RS-700	1.01658641509
409	-122.362	37.718	2100.954	2089125.862	6023146.268	0	RS-700	-0.29588930818
410	-122.362	37.718	2246.798	2089125.302	6023146.980	0	RS-700	0.62136849057
411	-122.362	37.718	2238.915	2089124.924	6023147.667	0	RS-700	0.57179018868
412	-122.362	37.718	2238.466	2089124.513	6023148.179	0	RS-700	0.56896641509
413	-122.362	37.718	2211.891	2089124.029	6023148.719	0	RS-700	0.40182899371
414	-122.362	37.718	2274.150	2089123.396	6023149.430	0	RS-700	0.79339817610
415	-122.362	37.718	2316.285	2089122.761	6023150.198	0	RS-700	1.05839515723
416	-122.362	37.718	2250.804	2089122.127	6023150.967	0	RS-700	0.64656572327
417	-122.362	37.718	2155.082	2089121.456	6023151.764	0	RS-700	0.04453918239
418	-122.362	37.718	2275.253	2089120.780	6023152.763	0	RS-700	0.80033534591
419	-122.362	37.718	2236.571	2089120.178	6023153.763	0	RS-700	0.55705257862
420	-122.362	37.718	2160.658	2089119.391	6023154.876	0	RS-700	0.07961232704
421	-122.362	37.718	2213.786	2089118.605	6023155.902	0	RS-700	0.41374735849
422	-122.362	37.718	2262.486	2089117.860	6023156.755	0	RS-700	0.72003465409
423	-122.362	37.718	2234.574	2089116.965	6023157.836	0	RS-700	0.54449201258
424	-122.362	37.718	2260.803	2089116.142	6023158.919	0	RS-700	0.70945566038
425	-122.362	37.718	2195.220	2089115.426	6023160.091	0	RS-700	0.29698352201
426	-122.362	37.718	2168.555	2089114.605	6023161.116	0	RS-700	0.12927477987
427	-122.362	37.718	2278.573	2089113.857	6023162.085	0	RS-700	0.82121421384
428	-122.362	37.718	2202.894	2089112.925	6023163.166	0	RS-700	0.34524817610
429	-122.362	37.718	2170.775	2089111.989	6023164.449	0	RS-700	0.14324163522
430	-122.362	37.718	2237.023	2089111.129	6023165.589	0	RS-700	0.55989100629
431	-122.362	37.718	2156.307	2089110.234	6023166.642	0	RS-700	0.05224603774
432	-122.362	37.718	2138.298	2089109.411	6023167.754	0	RS-700	-0.06101672956
433	-122.362	37.718	2320.401	2089108.440	6023168.921	0	RS-700	1.08428069182
434	-122.362	37.718	2188.891	2089107.472	6023170.030	0	RS-700	0.25717509434
435	-122.362	37.718	2300.946	2089106.613	6023171.054	0	RS-700	0.96192176101
436	-122.362	37.718	2204.218	2089105.942	6023171.851	0	RS-700	0.35357056604
437	-122.362	37.718	2184.093	2089105.341	6023172.793	0	RS-700	0.22699754717
438	-122.362	37.718	2228.354	2089104.704	6023173.649	0	RS-700	0.50537094340
439	-122.362	37.718	2191.671	2089104.069	6023174.446	0	RS-700	0.27465962264
440	-122.362	37.718	2186.905	2089103.508	6023175.187	0	RS-700	0.24468597484
441	-122.362	37.718	2149.767	2089102.985	6023175.871	0	RS-700	0.01111132075
442	-122.362	37.718	2222.798	2089102.427	6023176.467	0	RS-700	0.47042591195
443	-122.362	37.718	2114.745	2089100.444	6023179.090	0	RS-700	-0.20914867925
444	-122.362	37.718	2158.766	2089101.607	6023177.406	0	RS-700	0.06770811321
445	-122.362	37.718	2192.795	2089101.228	6023178.150	0	RS-700	0.28173257862
446	-122.362	37.718	2209.232	2089100.960	6023178.810	0	RS-700	0.38510610063
447	-122.362	37.718	2134.726	2089100.877	6023179.301	0	RS-700	-0.08348257862
448	-122.362	37.718	2208.460	2089100.967	6023178.435	0	RS-700	0.38025358491
449	-122.362	37.718	2110.329	2089100.916	6023177.334	0	RS-700	-0.23692207547

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
450	-122.362	37.718	2085.842	2089100.874	6023177.623	0	RS-700	-0.39093238994
451	-122.362	37.718	2238.685	2089100.788	6023178.315	0	RS-700	0.57034509434
452	-122.362	37.718	2104.163	2089100.810	6023179.010	0	RS-700	-0.27570150943
453	-122.362	37.718	2195.645	2089100.907	6023179.648	0	RS-700	0.29965138365
454	-122.362	37.718	2124.448	2089101.081	6023180.057	0	RS-700	-0.14812490566
455	-122.362	37.718	2132.548	2089101.365	6023180.410	0	RS-700	-0.09718553459
456	-122.362	37.718	2051.736	2089101.579	6023180.645	0	RS-700	-0.60543377359
457	-122.362	37.718	2194.117	2089101.686	6023180.763	0	RS-700	0.29004301887
458	-122.362	37.718	2269.155	2089102.007	6023181.117	0	RS-700	0.76197937107
459	-122.362	37.718	2197.004	2089102.357	6023181.818	0	RS-700	0.30819993711
460	-122.362	37.718	2184.781	2089102.560	6023182.603	0	RS-700	0.23132955975
461	-122.362	37.718	2155.337	2089102.563	6023182.430	0	RS-700	0.04614320755
462	-122.362	37.718	2188.779	2089102.721	6023181.796	0	RS-700	0.25647408805
463	-122.362	37.718	2125.083	2089103.107	6023180.734	0	RS-700	-0.14413408805
464	-122.362	37.718	2158.877	2089103.147	6023180.561	0	RS-700	0.06841044025
465	-122.362	37.718	2204.557	2089103.024	6023181.224	0	RS-700	0.35570150943
466	-122.362	37.718	2176.102	2089102.788	6023182.087	0	RS-700	0.17673918239
467	-122.362	37.718	2286.585	2089102.438	6023183.208	0	RS-700	0.87160660377
468	-122.362	37.718	2221.136	2089101.948	6023184.066	0	RS-700	0.45997408805
469	-122.362	37.718	2254.914	2089101.389	6023184.721	0	RS-700	0.67241792453
470	-122.362	37.718	2311.596	2089100.827	6023185.491	0	RS-700	1.02890748428
471	-122.362	37.718	2141.758	2089100.149	6023186.634	0	RS-700	-0.03925867925
472	-122.362	37.718	2270.789	2089099.582	6023187.636	0	RS-700	0.77225836478
473	-122.362	37.718	2145.872	2089099.207	6023188.207	0	RS-700	-0.01338635220
474	-122.362	37.718	2158.771	2089098.762	6023188.603	0	RS-700	0.06774446541
475	-122.362	37.718	2124.863	2089098.613	6023188.774	0	RS-700	-0.14551849057
476	-122.362	37.718	2262.246	2089099.273	6023188.555	0	RS-700	0.71853025157
477	-122.362	37.718	2248.135	2089100.152	6023188.284	0	RS-700	0.62977817610
478	-122.362	37.718	2153.664	2089099.969	6023188.367	0	RS-700	0.03562283019
479	-122.362	37.718	2234.345	2089098.941	6023188.751	0	RS-700	0.54304805031
480	-122.362	37.718	2247.804	2089097.881	6023188.962	0	RS-700	0.62769647799
481	-122.362	37.718	2204.784	2089097.008	6023188.915	0	RS-700	0.35712993711
482	-122.362	37.718	2172.203	2089096.318	6023188.786	0	RS-700	0.15221893082
483	-122.362	37.718	2163.549	2089095.702	6023188.658	0	RS-700	0.09779050314
484	-122.362	37.718	2226.357	2089095.049	6023188.500	0	RS-700	0.49280861635
485	-122.362	37.718	2175.441	2089094.505	6023188.403	0	RS-700	0.17258591195
486	-122.362	37.718	2201.577	2089094.068	6023188.394	0	RS-700	0.33696018868
487	-122.362	37.718	2121.861	2089093.704	6023188.387	0	RS-700	-0.16439415094
488	-122.362	37.718	2216.475	2089093.631	6023188.385	0	RS-700	0.43065981132
489	-122.362	37.718	2133.970	2089093.230	6023188.406	0	RS-700	-0.08823905660
490	-122.362	37.718	2260.920	2089093.559	6023188.355	0	RS-700	0.71018792453
491	-122.362	37.718	2300.046	2089094.291	6023188.167	0	RS-700	0.95626106918
492	-122.362	37.718	2157.524	2089094.693	6023188.088	0	RS-700	0.05989974843
493	-122.362	37.718	2180.112	2089094.110	6023188.134	0	RS-700	0.20196408805
494	-122.362	37.718	2148.670	2089093.416	6023188.236	0	RS-700	0.00421327044

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
495	-122.362	37.718	2170.884	2089092.755	6023188.512	0	RS-700	0.14392433962
496	-122.362	37.718	2247.905	2089093.235	6023188.175	0	RS-700	0.62833515723
497	-122.362	37.718	2240.908	2089093.604	6023187.922	0	RS-700	0.58432553459
498	-122.362	37.718	2162.551	2089093.163	6023188.116	0	RS-700	0.09151440252
499	-122.362	37.718	2160.769	2089092.832	6023188.311	0	RS-700	0.08030698113
500	-122.362	37.718	2142.658	2089093.090	6023188.114	0	RS-700	-0.03359855346
501	-122.362	37.718	2155.660	2089093.313	6023187.887	0	RS-700	0.04817427673
502	-122.362	37.718	2217.235	2089093.092	6023188.027	0	RS-700	0.43544144654
503	-122.362	37.718	2126.653	2089093.202	6023187.972	0	RS-700	-0.13425698113
504	-122.362	37.718	2182.102	2089093.165	6023188.000	0	RS-700	0.21447641509
505	-122.362	37.718	2174.775	2089093.165	6023188.000	0	RS-700	0.16839352201
506	-122.362	37.718	2202.779	2089093.202	6023188.001	0	RS-700	0.34451943396
507	-122.362	37.718	2283.045	2089093.416	6023188.236	0	RS-700	0.84933679245
508	-122.362	37.718	2204.664	2089093.453	6023188.208	0	RS-700	0.35637886793
509	-122.362	37.718	2212.991	2089093.636	6023188.154	0	RS-700	0.40874710692
510	-122.362	37.718	2168.988	2089094.365	6023188.111	0	RS-700	0.13199823899
511	-122.362	37.718	2242.240	2089095.204	6023188.040	0	RS-700	0.59270584906
512	-122.362	37.718	2230.458	2089095.277	6023188.042	0	RS-700	0.51860188679
513	-122.362	37.718	2195.781	2089094.436	6023188.228	0	RS-700	0.30051119497
514	-122.362	37.718	2152.982	2089093.411	6023188.468	0	RS-700	0.03133320755
515	-122.362	37.718	2180.125	2089093.228	6023188.522	0	RS-700	0.20204182390
516	-122.362	37.718	2182.217	2089094.787	6023188.871	0	RS-700	0.21520163522
517	-122.362	37.718	2148.777	2089096.781	6023189.345	0	RS-700	0.00488949686
518	-122.362	37.718	2188.098	2089098.564	6023189.380	0	RS-700	0.25218779874
519	-122.362	37.718	2139.078	2089099.552	6023189.168	0	RS-700	-0.05611635220
520	-122.362	37.718	2206.565	2089099.625	6023189.141	0	RS-700	0.36833597484
521	-122.362	37.718	2278.922	2089098.677	6023189.238	0	RS-700	0.82340899371
522	-122.362	37.718	2320.944	2089097.581	6023189.390	0	RS-700	1.08770037736
523	-122.362	37.718	2146.547	2089096.414	6023189.482	0	RS-700	-0.00913886792
524	-122.362	37.718	2242.918	2089095.542	6023189.378	0	RS-700	0.59697144654
525	-122.362	37.718	2204.452	2089094.960	6023189.308	0	RS-700	0.35504698113
526	-122.362	37.718	2191.779	2089094.012	6023189.405	0	RS-700	0.27533767296
527	-122.362	37.718	2182.770	2089092.985	6023189.761	0	RS-700	0.21868069182
528	-122.362	37.718	2192.904	2089091.954	6023190.319	0	RS-700	0.28241257862
529	-122.362	37.718	2128.864	2089090.994	6023190.994	0	RS-700	-0.12035333333
530	-122.362	37.718	2244.245	2089090.505	6023191.737	0	RS-700	0.60531377359
531	-122.362	37.718	2190.341	2089090.051	6023192.625	0	RS-700	0.26629855346
532	-122.362	37.718	2225.687	2089089.560	6023193.483	0	RS-700	0.48859610063
533	-122.362	37.718	2177.778	2089088.883	6023194.569	0	RS-700	0.18728044025
534	-122.362	37.718	2159.200	2089088.172	6023195.509	0	RS-700	0.07044138365
535	-122.362	37.718	2175.774	2089087.387	6023196.564	0	RS-700	0.17467880503
536	-122.362	37.718	2185.780	2089086.531	6023197.473	0	RS-700	0.23761270440
537	-122.362	37.718	2215.231	2089085.930	6023198.386	0	RS-700	0.42283534591
538	-122.362	37.718	2176.998	2089085.621	6023199.248	0	RS-700	0.18237578616
539	-122.362	37.718	2167.988	2089085.578	6023199.595	0	RS-700	0.12571169811

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
540	-122.362	37.718	2106.331	2089085.557	6023198.842	0	RS-700	-0.26207006289
541	-122.362	37.718	2164.414	2089085.542	6023197.771	0	RS-700	0.10323327044
542	-122.362	37.718	2161.766	2089085.540	6023197.858	0	RS-700	0.08657685535
543	-122.362	37.718	2181.885	2089085.536	6023198.031	0	RS-700	0.21311547170
544	-122.362	37.718	2165.447	2089085.570	6023198.177	0	RS-700	0.10972798742
545	-122.362	37.718	2157.630	2089085.556	6023198.871	0	RS-700	0.06056371069
546	-122.362	37.718	2200.573	2089085.647	6023199.798	0	RS-700	0.33064716981
547	-122.362	37.718	2170.556	2089085.808	6023200.843	0	RS-700	0.14186201258
548	-122.362	37.718	2223.691	2089085.824	6023201.885	0	RS-700	0.47604647799
549	-122.362	37.718	2180.446	2089085.797	6023203.215	0	RS-700	0.20406433962
550	-122.362	37.718	2196.008	2089085.731	6023204.718	0	RS-700	0.30193761006
551	-122.362	37.718	2289.373	2089078.099	6023203.930	0	RS-700	0.27382255132
552	-122.362	37.718	2359.843	2089077.602	6023205.106	0	RS-700	0.48047923754
553	-122.362	37.718	2404.218	2089077.221	6023205.938	0	RS-700	0.61060985337
554	-122.362	37.718	2568.297	2089076.438	6023206.848	0	RS-700	1.09178023460
555	-122.362	37.717	2612.190	2089076.026	6023207.447	0	RS-700	1.22049956012
556	-122.362	37.717	2579.073	2089075.029	6023208.151	0	RS-700	1.12338184751
557	-122.362	37.717	2185.750	2089073.961	6023208.737	0	RS-700	-0.03005847507
558	-122.362	37.717	2118.526	2089073.337	6023208.956	0	RS-700	-0.22719659824
559	-122.362	37.717	1800.275	2089072.458	6023209.199	0	RS-700	-1.16048360704
560	-122.362	37.717	1641.411	2089070.999	6023209.314	0	RS-700	-1.62636217009
561	-122.362	37.717	1594.487	2089070.558	6023209.537	0	RS-700	-1.76396780059
562	-122.362	37.717	1561.790	2089070.227	6023209.704	0	RS-700	-1.85985395894
563	-122.362	37.717	1502.820	2089070.190	6023209.703	0	RS-700	-2.03278530792
564	-122.362	37.717	1582.485	2089069.419	6023210.035	0	RS-700	-1.79916351906
565	-122.362	37.717	1817.469	2089068.605	6023210.684	0	RS-700	-1.11006260997
566	-122.362	37.717	2002.314	2089068.160	6023211.080	0	RS-700	-0.56799442815
567	-122.362	37.717	2418.111	2089066.975	6023212.041	0	RS-700	0.65135090909
568	-122.362	37.717	2597.063	2089065.935	6023213.090	0	RS-700	1.17613636364
569	-122.362	37.717	2594.834	2089065.078	6023214.028	0	RS-700	1.16960258065
570	-122.362	37.717	2398.459	2089064.296	6023214.909	0	RS-700	0.59372164223
571	-122.362	37.717	2333.638	2089063.618	6023216.024	0	RS-700	0.40363155425
572	-122.362	37.717	2242.567	2089062.905	6023217.080	0	RS-700	0.59476352201
573	-122.362	37.717	2239.690	2089062.118	6023218.222	0	RS-700	0.57666396226
574	-122.362	37.717	2118.542	2089061.258	6023219.333	0	RS-700	-0.18527176101
575	-122.362	37.717	2217.016	2089060.547	6023220.302	0	RS-700	0.43406308176
576	-122.362	37.717	2102.754	2089059.908	6023221.273	0	RS-700	-0.28456811321
577	-122.362	37.717	2166.664	2089059.087	6023222.270	0	RS-700	0.11738138365
578	-122.362	37.717	2213.530	2089058.380	6023223.066	0	RS-700	0.41213773585
579	-122.362	37.717	2173.992	2089057.969	6023223.578	0	RS-700	0.16347169811
580	-122.362	37.717	2244.337	2089057.969	6023223.578	0	RS-700	0.60589578616
581	-122.362	37.717	2255.685	2089058.046	6023223.377	0	RS-700	0.67726320755
582	-122.362	37.717	2127.547	2089063.440	6023224.989	0	RS-700	-0.12863534591
583	-122.362	37.717	2158.884	2089063.745	6023224.301	0	RS-700	0.06845050314
584	-122.362	37.717	2107.171	2089063.558	6023224.528	0	RS-700	-0.25678534591

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
585	-122.362	37.717	2219.897	2089063.220	6023225.042	0	RS-700	0.45218320755
586	-122.362	37.717	2172.664	2089062.951	6023225.760	0	RS-700	0.15512226415
587	-122.362	37.717	2138.763	2089062.714	6023226.681	0	RS-700	-0.05809163522
588	-122.362	37.717	2044.613	2089062.660	6023227.577	0	RS-700	-0.65023308176
589	-122.362	37.717	2142.078	2089062.603	6023226.766	0	RS-700	-0.03724641509
590	-122.362	37.717	2179.665	2089062.621	6023225.898	0	RS-700	0.19915238994
591	-122.362	37.717	2228.768	2089062.542	6023226.215	0	RS-700	0.50797327044
592	-122.362	37.717	2158.768	2089062.524	6023227.082	0	RS-700	0.06772459120
593	-122.362	37.717	2214.017	2089062.728	6023227.810	0	RS-700	0.41520226415
594	-122.362	37.717	2168.868	2089063.046	6023228.308	0	RS-700	0.13124591195
595	-122.362	37.717	2134.647	2089063.402	6023228.720	0	RS-700	-0.08398220126
596	-122.362	37.717	2166.642	2089063.580	6023228.955	0	RS-700	0.11724603774
597	-122.362	37.717	2128.549	2089063.791	6023229.335	0	RS-700	-0.12233251572
598	-122.362	37.717	2190.671	2089064.103	6023230.123	0	RS-700	0.26837257862
599	-122.362	37.717	2236.242	2089064.165	6023230.645	0	RS-700	0.55498138365
600	-122.362	37.717	2155.197	2089064.212	6023230.125	0	RS-700	0.04526628931
601	-122.362	37.717	2230.912	2089064.600	6023228.946	0	RS-700	0.52145742138
602	-122.362	37.717	2248.043	2089065.273	6023228.034	0	RS-700	0.62919918239
603	-122.362	37.717	2216.341	2089065.612	6023227.491	0	RS-700	0.42982000000
604	-122.362	37.717	2230.352	2089065.309	6023228.064	0	RS-700	0.51793540881
605	-122.362	37.717	2256.128	2089064.632	6023229.150	0	RS-700	0.68005018868
606	-122.362	37.717	2177.099	2089063.882	6023230.234	0	RS-700	0.18301125786
607	-122.362	37.717	2221.125	2089063.352	6023231.265	0	RS-700	0.45990402516
608	-122.362	37.717	2156.771	2089062.889	6023232.529	0	RS-700	0.05516100629
609	-122.362	37.717	2205.105	2089062.102	6023233.670	0	RS-700	0.35914886793
610	-122.362	37.717	2194.893	2089061.463	6023234.670	0	RS-700	0.29492672956
611	-122.362	37.717	2164.557	2089060.681	6023235.551	0	RS-700	0.10413182390
612	-122.362	37.717	2211.894	2089060.014	6023236.088	0	RS-700	0.40184805031
613	-122.362	37.717	2141.663	2089059.281	6023236.362	0	RS-700	-0.03985773585
614	-122.362	37.717	2236.140	2089058.441	6023236.461	0	RS-700	0.55433710692
615	-122.362	37.717	2212.236	2089057.533	6023236.328	0	RS-700	0.40400125786
616	-122.362	37.717	2102.741	2089057.135	6023236.204	0	RS-700	-0.28464471698
617	-122.362	37.717	2111.175	2089056.410	6023236.016	0	RS-700	-0.23160377359
618	-122.362	37.717	2127.510	2089055.501	6023235.969	0	RS-700	-0.12886704403
619	-122.362	37.717	2209.006	2089054.952	6023236.074	0	RS-700	0.38368654088
620	-122.362	37.717	2177.566	2089054.586	6023236.182	0	RS-700	0.18595113208
621	-122.362	37.717	2145.225	2089055.138	6023235.904	0	RS-700	-0.01745452830
622	-122.362	37.717	2089.955	2089055.873	6023235.571	0	RS-700	-0.36506314465
623	-122.362	37.717	2186.450	2089055.433	6023235.707	0	RS-700	0.24182113208
624	-122.362	37.717	2146.550	2089054.663	6023235.952	0	RS-700	-0.00912138365
625	-122.362	37.717	2223.349	2089054.257	6023236.234	0	RS-700	0.47389025157
626	-122.362	37.717	2194.562	2089054.627	6023235.952	0	RS-700	0.29284150943
627	-122.362	37.717	2178.777	2089053.550	6023237.001	0	RS-700	0.19356874214
628	-122.362	37.717	2132.535	2089055.111	6023235.412	0	RS-700	-0.09726421384
629	-122.362	37.717	2156.219	2089055.407	6023237.038	0	RS-700	0.05169025157

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
630	-122.362	37.717	2193.201	2089054.447	6023235.861	0	RS-700	0.28428094340
631	-122.362	37.717	2129.866	2089054.594	6023235.777	0	RS-700	-0.11405270440
632	-122.362	37.717	2157.974	2089054.520	6023235.863	0	RS-700	0.06272792453
633	-122.362	37.717	2096.167	2089054.595	6023235.748	0	RS-700	-0.32599540881
634	-122.362	37.717	2192.219	2089054.559	6023235.690	0	RS-700	0.27810698113
635	-122.362	37.717	2174.101	2089054.559	6023235.690	0	RS-700	0.16415477987
636	-122.362	37.717	2117.971	2089054.596	6023235.662	0	RS-700	-0.18886440252
637	-122.362	37.717	2090.747	2089054.522	6023235.718	0	RS-700	-0.36008050315
638	-122.362	37.717	2165.672	2089054.632	6023235.720	0	RS-700	0.11114402516
639	-122.362	37.717	2150.981	2089054.404	6023236.179	0	RS-700	0.01875132075
640	-122.362	37.717	2034.826	2089053.990	6023236.836	0	RS-700	-0.71178553459
641	-122.362	37.717	2131.076	2089053.465	6023237.606	0	RS-700	-0.10644327044
642	-122.362	37.717	2217.901	2089053.202	6023238.006	0	RS-700	0.43962880503
643	-122.362	37.717	2122.749	2089053.201	6023238.064	0	RS-700	-0.15881371069
644	-122.362	37.717	2084.737	2089053.203	6023237.977	0	RS-700	-0.39788119497
645	-122.362	37.717	2216.901	2089053.167	6023237.948	0	RS-700	0.43333949686
646	-122.362	37.717	2122.178	2089053.203	6023237.948	0	RS-700	-0.16240289308
647	-122.362	37.717	2125.294	2089053.203	6023237.948	0	RS-700	-0.14280503145
648	-122.362	37.717	2051.308	2089053.169	6023237.861	0	RS-700	-0.60812477987
649	-122.362	37.717	2218.458	2089053.169	6023237.861	0	RS-700	0.44313477987
650	-122.362	37.717	2119.384	2089053.057	6023238.003	0	RS-700	-0.17997484277
651	-122.362	37.717	2181.997	2089052.719	6023238.517	0	RS-700	0.21381924528
652	-122.362	37.717	2080.051	2089052.304	6023239.203	0	RS-700	-0.42735157233
653	-122.362	37.717	2153.547	2089051.596	6023240.028	0	RS-700	0.03488924528
654	-122.362	37.717	2211.997	2089050.779	6023240.822	0	RS-700	0.40249930818
655	-122.362	37.717	2065.833	2089050.072	6023241.589	0	RS-700	-0.51677509434
656	-122.362	37.717	2164.885	2089049.510	6023242.388	0	RS-700	0.10619635220
657	-122.362	37.717	2287.264	2089048.985	6023243.130	0	RS-700	0.87587245283
658	-122.362	37.717	2253.257	2089048.388	6023243.870	0	RS-700	0.66199088050
659	-122.362	37.717	2131.768	2089047.788	6023244.726	0	RS-700	-0.10208603774
660	-122.362	37.717	2236.024	2089047.259	6023245.699	0	RS-700	0.55361018868
661	-122.362	37.717	2182.669	2089046.587	6023246.525	0	RS-700	0.21804314465
662	-122.362	37.717	2091.478	2089045.844	6023247.233	0	RS-700	-0.35548735849
663	-122.362	37.717	2066.149	2089045.065	6023247.941	0	RS-700	-0.51478566038
664	-122.362	37.717	2200.674	2089044.505	6023248.624	0	RS-700	0.33128075472
665	-122.362	37.717	2152.339	2089043.907	6023249.422	0	RS-700	0.02729050314
666	-122.362	37.717	2132.761	2089043.307	6023250.307	0	RS-700	-0.09584238994
667	-122.362	37.717	2185.788	2089042.964	6023251.024	0	RS-700	0.23765823899
668	-122.362	37.717	2182.675	2089042.658	6023251.799	0	RS-700	0.21808157233
669	-122.362	37.717	2268.048	2089042.168	6023252.628	0	RS-700	0.75501641509
670	-122.362	37.717	2314.054	2089041.790	6023253.315	0	RS-700	1.04436584906
671	-122.362	37.717	2218.679	2089041.677	6023253.515	0	RS-700	0.44452150943
672	-122.362	37.717	2301.062	2089041.674	6023253.631	0	RS-700	0.96265547170
673	-122.362	37.717	2221.786	2089041.525	6023253.801	0	RS-700	0.46406433962
674	-122.362	37.717	2321.827	2089041.518	6023254.148	0	RS-700	1.09325301887

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
675	-122.362	37.717	2330.530	2089041.712	6023253.545	0	RS-700	1.14798685535
676	-122.362	37.717	2319.408	2089042.470	6023252.084	0	RS-700	1.07803792453
677	-122.362	37.717	2218.013	2089041.511	6023252.702	0	RS-700	0.44033364780
678	-122.362	37.717	2213.144	2089041.771	6023252.418	0	RS-700	0.40970798742
679	-122.362	37.717	2265.267	2089041.213	6023253.043	0	RS-700	0.73752597484
680	-122.362	37.717	2319.591	2089040.498	6023254.186	0	RS-700	1.07918924528
681	-122.362	37.717	2349.842	2089041.784	6023253.633	0	RS-700	1.26944773585
682	-122.362	37.717	2322.058	2089041.697	6023254.325	0	RS-700	1.09470471698
683	-122.362	37.717	2300.710	2089041.691	6023254.644	0	RS-700	0.96043786164
684	-122.362	37.717	2267.038	2089041.828	6023255.051	0	RS-700	0.74866540881
685	-122.362	37.717	2303.581	2089041.779	6023255.687	0	RS-700	0.97849622642
686	-122.362	37.717	2203.113	2089041.724	6023256.612	0	RS-700	0.34662358491
687	-122.362	37.717	2331.958	2089041.492	6023257.330	0	RS-700	1.15697000000
688	-122.362	37.717	2325.516	2089041.182	6023258.250	0	RS-700	1.11645308176
689	-122.362	37.717	2237.682	2089040.689	6023259.224	0	RS-700	0.56403955975
690	-122.362	37.717	2302.475	2089040.054	6023260.021	0	RS-700	0.97154276730
691	-122.362	37.717	2215.224	2089039.312	6023260.729	0	RS-700	0.42279540881
692	-122.362	37.717	2179.773	2089038.168	6023261.459	0	RS-700	0.19982924528
693	-122.362	37.717	2218.908	2089037.064	6023262.044	0	RS-700	0.44596440252
694	-122.362	37.717	2254.257	2089036.038	6023262.371	0	RS-700	0.66828402516
695	-122.362	37.717	2075.533	2089034.974	6023262.755	0	RS-700	-0.45576503145
696	-122.362	37.717	2206.783	2089034.239	6023263.088	0	RS-700	0.36970465409
697	-122.362	37.717	2246.164	2089033.540	6023263.421	0	RS-700	0.61738547170
698	-122.362	37.717	2128.865	2089033.172	6023263.616	0	RS-700	-0.12034522013
699	-122.362	37.717	2151.994	2089032.916	6023263.698	0	RS-700	0.02512188679
700	-122.362	37.717	2140.681	2089033.320	6023263.503	0	RS-700	-0.04603144654
701	-122.362	37.717	2149.999	2089033.945	6023263.226	0	RS-700	0.01257044025
702	-122.362	37.717	2219.458	2089035.196	6023262.586	0	RS-700	0.44941855346
703	-122.362	37.717	2256.808	2089036.194	6023261.854	0	RS-700	0.68432886793
704	-122.362	37.717	2186.100	2089036.379	6023261.713	0	RS-700	0.23962345912
705	-122.362	37.717	2294.198	2089036.598	6023261.659	0	RS-700	0.91948327044
706	-122.362	37.717	2253.798	2089036.048	6023261.851	0	RS-700	0.66539446541
707	-122.362	37.717	2073.737	2089035.052	6023262.467	0	RS-700	-0.46706044025
708	-122.362	37.717	2093.661	2089034.052	6023263.315	0	RS-700	-0.34175389937
709	-122.362	37.717	2025.722	2089033.752	6023263.743	0	RS-700	-0.76904276730
710	-122.362	37.717	2047.449	2089031.222	6023266.441	0	RS-700	-0.63239698113
711	-122.362	37.717	2088.952	2089031.028	6023267.045	0	RS-700	-0.37136981132
712	-122.362	37.717	2103.861	2089032.548	6023265.687	0	RS-700	-0.27760176101
713	-122.362	37.717	2063.352	2089030.984	6023267.420	0	RS-700	-0.53237622642
714	-122.362	37.717	2102.960	2089032.533	6023266.439	0	RS-700	-0.28327169811
715	-122.362	37.717	2129.866	2089032.773	6023265.373	0	RS-700	-0.11404993711
716	-122.362	37.717	2211.011	2089033.137	6023263.558	0	RS-700	0.39629710692
717	-122.362	37.717	2190.667	2089032.782	6023263.088	0	RS-700	0.26834371069
718	-122.362	37.717	2014.923	2089032.986	6023263.844	0	RS-700	-0.83696402516
719	-122.362	37.717	2107.434	2089033.040	6023264.771	0	RS-700	-0.25513320755

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
720	-122.362	37.717	2092.749	2089033.091	6023265.842	0	RS-700	-0.34749050315
721	-122.362	37.717	2108.961	2089033.261	6023266.482	0	RS-700	-0.24552666667
722	-122.362	37.717	2139.768	2089033.615	6023267.010	0	RS-700	-0.05177603774
723	-122.362	37.717	2146.085	2089034.105	6023268.003	0	RS-700	-0.01204421384
724	-122.362	37.717	2220.899	2089034.267	6023269.019	0	RS-700	0.45848716981
725	-122.362	37.717	2141.985	2089034.301	6023269.135	0	RS-700	-0.03783327044
726	-122.362	37.717	2235.024	2089034.685	6023268.130	0	RS-700	0.54732132076
727	-122.362	37.717	2129.182	2089035.398	6023267.074	0	RS-700	-0.11835251572
728	-122.362	37.717	2093.275	2089033.615	6023268.803	0	RS-700	-0.34417937107
729	-122.362	37.717	2238.018	2089033.083	6023269.950	0	RS-700	0.56615257862
730	-122.362	37.717	2244.593	2089031.969	6023270.998	0	RS-700	0.60750138365
731	-122.361	37.717	2204.675	2089031.108	6023272.167	0	RS-700	0.35644345912
732	-122.362	37.717	2117.227	2089032.332	6023271.092	0	RS-700	-0.19354144654
733	-122.361	37.717	2142.980	2089031.555	6023271.684	0	RS-700	-0.03156981132
734	-122.361	37.717	2115.650	2089030.781	6023272.132	0	RS-700	-0.20346176101
735	-122.361	37.717	2115.969	2089028.038	6023274.536	0	RS-700	-0.20145597484
736	-122.361	37.717	2123.279	2089027.743	6023274.762	0	RS-700	-0.15547691824
737	-122.361	37.717	2076.638	2089027.080	6023275.096	0	RS-700	-0.44881484277
738	-122.361	37.717	2076.154	2089028.346	6023273.732	0	RS-700	-0.45186352201
739	-122.361	37.717	2103.961	2089028.640	6023273.594	0	RS-700	-0.27697232704
740	-122.361	37.717	2105.646	2089029.449	6023273.176	0	RS-700	-0.26637459120
741	-122.361	37.717	2139.655	2089029.338	6023273.260	0	RS-700	-0.05248484277
742	-122.361	37.717	2046.522	2089029.006	6023273.485	0	RS-700	-0.63822578616
743	-122.361	37.717	2065.423	2089028.628	6023274.201	0	RS-700	-0.51935352201
744	-122.361	37.717	2143.873	2089027.748	6023274.473	0	RS-700	-0.02595616352
745	-122.361	37.717	2115.114	2089027.129	6023274.460	0	RS-700	-0.20682943396
746	-122.361	37.717	2096.641	2089026.657	6023274.393	0	RS-700	-0.32301515723
747	-122.361	37.717	2111.918	2089026.296	6023274.270	0	RS-700	-0.22692880503
748	-122.361	37.717	1986.711	2089026.151	6023274.210	0	RS-700	-1.01439522013
749	-122.361	37.717	2075.056	2089027.780	6023274.734	0	RS-700	-0.45876440252
750	-122.361	37.717	2092.855	2089029.421	6023274.593	0	RS-700	-0.34682402516
751	-122.361	37.717	2146.539	2089030.736	6023274.416	0	RS-700	-0.00918584906
752	-122.361	37.717	2126.982	2089031.245	6023274.456	0	RS-700	-0.13218987421
753	-122.361	37.717	2084.640	2089030.518	6023274.354	0	RS-700	-0.39849150943
754	-122.361	37.717	2053.840	2089029.059	6023274.470	0	RS-700	-0.59220364780
755	-122.361	37.717	2098.749	2089027.924	6023274.794	0	RS-700	-0.30975327044
756	-122.361	37.717	2048.629	2089028.739	6023274.116	0	RS-700	-0.62497238994
757	-122.361	37.717	2131.439	2089029.597	6023273.092	0	RS-700	-0.10415704403
758	-122.361	37.717	2035.617	2089029.225	6023273.461	0	RS-700	-0.70681427673
759	-122.361	37.717	2110.857	2089028.374	6023274.167	0	RS-700	-0.23360201258
760	-122.361	37.717	2182.783	2089027.851	6023274.822	0	RS-700	0.21876000000
761	-122.361	37.717	2106.859	2089027.618	6023275.512	0	RS-700	-0.25874679245
762	-122.361	37.717	2109.755	2089027.494	6023276.290	0	RS-700	-0.24053364780
763	-122.361	37.717	2130.954	2089027.153	6023276.949	0	RS-700	-0.10720849057
764	-122.361	37.717	1983.407	2089027.064	6023277.728	0	RS-700	-1.03517767296



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
765	-122.361	37.717	2061.177	2089026.932	6023278.912	0	RS-700	-0.54605421384
766	-122.361	37.717	2063.930	2089026.545	6023280.032	0	RS-700	-0.52874264151
767	-122.361	37.717	1912.878	2089025.941	6023281.120	0	RS-700	-1.47875339623
768	-122.361	37.717	2146.297	2089025.087	6023281.942	0	RS-700	-0.01070842767
769	-122.361	37.717	2092.649	2089024.201	6023282.532	0	RS-700	-0.34812113208
770	-122.361	37.717	2023.506	2089023.603	6023283.301	0	RS-700	-0.78298308176
771	-122.361	37.717	2096.376	2089023.144	6023284.391	0	RS-700	-0.32467735849
772	-122.361	37.717	2060.940	2089022.427	6023285.679	0	RS-700	-0.54754735849
773	-122.361	37.717	2069.526	2089021.965	6023286.913	0	RS-700	-0.49354553459
774	-122.361	37.717	2075.051	2089021.430	6023288.176	0	RS-700	-0.45879622642
775	-122.361	37.717	2160.084	2089021.334	6023289.360	0	RS-700	0.07600188679
776	-122.361	37.717	2117.859	2089021.271	6023290.661	0	RS-700	-0.18956522013
777	-122.361	37.717	2020.532	2089020.880	6023292.013	0	RS-700	-0.80168861635
778	-122.361	37.717	2023.325	2089020.124	6023293.415	0	RS-700	-0.78411911950
779	-122.361	37.717	2056.423	2089019.005	6023294.753	0	RS-700	-0.57595427673
780	-122.361	37.717	1981.606	2089017.527	6023295.822	0	RS-700	-1.04650471698
781	-122.361	37.717	2040.926	2089014.338	6023298.681	0	RS-700	-0.67342000000
782	-122.361	37.717	2082.767	2089012.859	6023299.780	0	RS-700	-0.41027358491
783	-122.361	37.717	2120.059	2089011.425	6023300.475	0	RS-700	-0.17572716981
784	-122.361	37.717	2084.543	2089010.312	6023301.494	0	RS-700	-0.39909849057
785	-122.361	37.717	2097.855	2089009.014	6023302.683	0	RS-700	-0.31537654088
786	-122.361	37.717	2126.761	2089007.426	6023303.780	0	RS-700	-0.13358094340
787	-122.361	37.717	2154.551	2089005.621	6023304.843	0	RS-700	0.04120289308
788	-122.361	37.717	2114.752	2089004.318	6023306.235	0	RS-700	-0.20910471698
789	-122.361	37.717	2135.650	2089002.945	6023307.538	0	RS-700	-0.07767402516
790	-122.361	37.717	2119.966	2089001.608	6023308.843	0	RS-700	-0.17631264151
791	-122.361	37.717	2108.070	2089000.311	6023309.945	0	RS-700	-0.25113006289
792	-122.361	37.717	2128.079	2088998.842	6023310.552	0	RS-700	-0.12529157233
793	-122.361	37.717	2086.853	2088997.629	6023311.136	0	RS-700	-0.38457289308
794	-122.361	37.717	2104.863	2088996.743	6023311.726	0	RS-700	-0.27130213837
795	-122.361	37.717	2107.962	2088996.003	6023312.319	0	RS-700	-0.25181339623
796	-122.361	37.717	2165.455	2088995.221	6023313.200	0	RS-700	0.10977716981
797	-122.361	37.717	2059.837	2088994.473	6023314.169	0	RS-700	-0.55448232704
798	-122.361	37.717	2093.637	2088993.728	6023315.022	0	RS-700	-0.34190484277
799	-122.361	37.717	2144.560	2088993.243	6023315.562	0	RS-700	-0.02163383648
800	-122.361	37.717	2104.750	2088992.984	6023315.788	0	RS-700	-0.27201522013
801	-122.361	37.717	2141.090	2088992.723	6023316.101	0	RS-700	-0.04346194969
802	-122.361	37.717	2113.542	2088993.834	6023315.168	0	RS-700	-0.21671628931
803	-122.361	37.717	2157.985	2088993.386	6023315.738	0	RS-700	0.06280169811
804	-122.361	37.717	2156.280	2088992.823	6023316.537	0	RS-700	0.05207647799
805	-122.361	37.717	2122.858	2088992.256	6023317.596	0	RS-700	-0.15812301887
806	-122.361	37.717	2056.838	2088991.581	6023318.566	0	RS-700	-0.57334792453
807	-122.361	37.717	2175.536	2088990.652	6023319.503	0	RS-700	0.17317949686
808	-122.361	37.717	2214.127	2088989.976	6023320.531	0	RS-700	0.41589396226
809	-122.361	37.717	2224.015	2088989.823	6023320.904	0	RS-700	0.47808150943

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
810	-122.361	37.717	2127.869	2088990.505	6023319.586	0	RS-700	-0.12661276730
811	-122.361	37.717	2136.332	2088991.119	6023317.979	0	RS-700	-0.07338452830
812	-122.361	37.717	2203.672	2088989.783	6023319.254	0	RS-700	0.35013704403
813	-122.361	37.717	2263.731	2088991.188	6023318.211	0	RS-700	0.72786540881
814	-122.361	37.717	2112.386	2088990.653	6023319.474	0	RS-700	-0.22398584906
815	-122.361	37.717	2122.869	2088990.445	6023320.742	0	RS-700	-0.15805955975
816	-122.361	37.717	2198.895	2088990.389	6023321.725	0	RS-700	0.32009408805
817	-122.361	37.717	2075.741	2088990.418	6023322.102	0	RS-700	-0.45445855346
818	-122.361	37.717	2080.949	2088990.415	6023322.275	0	RS-700	-0.42170691824
819	-122.361	37.717	2115.647	2088990.490	6023322.161	0	RS-700	-0.20347767296
820	-122.361	37.717	2194.675	2088990.458	6023321.929	0	RS-700	0.29355402516
821	-122.361	37.717	2226.683	2088990.567	6023321.960	0	RS-700	0.49485993711
822	-122.361	37.717	2217.460	2088990.918	6023322.632	0	RS-700	0.43685584906
823	-122.361	37.717	2170.555	2088991.197	6023323.245	0	RS-700	0.14185408805
824	-122.361	37.717	2211.007	2088991.432	6023324.234	0	RS-700	0.39627050315
825	-122.361	37.717	2166.775	2088991.500	6023324.495	0	RS-700	0.11808339623
826	-122.361	37.717	2143.983	2088991.732	6023323.777	0	RS-700	-0.02526150943
827	-122.361	37.717	2148.339	2088992.336	6023322.718	0	RS-700	0.00212930818
828	-122.361	37.717	2084.432	2088992.033	6023323.320	0	RS-700	-0.39979792453
829	-122.361	37.717	2233.475	2088991.456	6023324.842	0	RS-700	0.53757641509
830	-122.361	37.717	2280.156	2088990.447	6023326.152	0	RS-700	0.83116861635
831	-122.361	37.717	2267.153	2088989.658	6023327.381	0	RS-700	0.74938855346
832	-122.361	37.717	2213.781	2088989.274	6023328.386	0	RS-700	0.41371792453
833	-122.361	37.717	2222.904	2088988.676	6023329.155	0	RS-700	0.47109710692
834	-122.361	37.717	2152.868	2088987.862	6023329.775	0	RS-700	0.03061704403
835	-122.361	37.717	2242.036	2088986.610	6023330.474	0	RS-700	0.59142364780
836	-122.361	37.717	2191.677	2088985.541	6023331.118	0	RS-700	0.27469641509
837	-122.361	37.717	2158.883	2088984.226	6023331.294	0	RS-700	0.06844402516
838	-122.361	37.717	2174.559	2088982.987	6023331.327	0	RS-700	0.16703616352
839	-122.361	37.717	2177.448	2088981.893	6023331.421	0	RS-700	0.18520911950
840	-122.361	37.717	2246.801	2088981.012	6023331.751	0	RS-700	0.62139012579
841	-122.361	37.717	2228.569	2088978.751	6023333.731	0	RS-700	0.50672207547
842	-122.361	37.717	2214.005	2088977.694	6023333.797	0	RS-700	0.41512584906
843	-122.361	37.717	2196.001	2088978.160	6023334.153	0	RS-700	0.30189421384
844	-122.361	37.717	2174.778	2088980.054	6023332.339	0	RS-700	0.16841566038
845	-122.361	37.717	2235.132	2088981.529	6023331.385	0	RS-700	0.54800037736
846	-122.361	37.717	2208.679	2088982.563	6023330.682	0	RS-700	0.38163150943
847	-122.361	37.717	2185.111	2088982.529	6023330.595	0	RS-700	0.23340314465
848	-122.361	37.717	2236.154	2088981.422	6023331.296	0	RS-700	0.55442930818
849	-122.361	37.717	2208.230	2088980.198	6023332.429	0	RS-700	0.37880622642
850	-122.361	37.717	2171.782	2088979.410	6023333.599	0	RS-700	0.14957528302
851	-122.361	37.717	2184.681	2088978.299	6023334.503	0	RS-700	0.23070000000
852	-122.361	37.717	2147.874	2088977.477	6023335.528	0	RS-700	-0.00079503145
853	-122.361	37.717	2157.769	2088976.833	6023336.788	0	RS-700	0.06144050314
854	-122.361	37.717	2112.859	2088976.375	6023337.850	0	RS-700	-0.22101327044

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
855	-122.361	37.717	2105.594	2088975.590	6023338.876	0	RS-700	-0.26670459120
856	-122.361	37.717	2102.537	2088974.548	6023339.983	0	RS-700	-0.28592981132
857	-122.361	37.717	2134.549	2088973.612	6023341.266	0	RS-700	-0.08459704403
858	-122.361	37.717	2107.538	2088972.751	6023342.435	0	RS-700	-0.25447679245
859	-122.361	37.717	2185.771	2088971.776	6023343.863	0	RS-700	0.23755264151
860	-122.361	37.717	2198.886	2088970.690	6023345.374	0	RS-700	0.32003490566
861	-122.361	37.717	2161.445	2088970.340	6023348.289	0	RS-700	0.08456044025
862	-122.361	37.717	2223.905	2088968.480	6023348.455	0	RS-700	0.47739025157
863	-122.361	37.717	2022.926	2088965.431	6023351.605	0	RS-700	-0.78663194969
864	-122.361	37.717	2178.445	2088966.307	6023351.507	0	RS-700	0.19147805031
865	-122.361	37.717	2129.520	2088965.079	6023352.785	0	RS-700	-0.11622641509
866	-122.361	37.717	2136.764	2088963.742	6023354.089	0	RS-700	-0.07066610063
867	-122.361	37.717	2136.654	2088962.549	6023355.483	0	RS-700	-0.07135547170
868	-122.361	37.717	2197.116	2088961.173	6023356.931	0	RS-700	0.30890327044
869	-122.361	37.717	2138.755	2088960.306	6023358.389	0	RS-700	-0.05814465409
870	-122.361	37.717	2113.967	2088959.368	6023359.817	0	RS-700	-0.21404257862
871	-122.361	37.717	2132.293	2088959.489	6023362.857	0	RS-700	-0.09878345912
872	-122.361	37.717	2197.782	2088957.672	6023362.647	0	RS-700	0.31309534591
873	-122.361	37.717	2195.327	2088956.701	6023363.901	0	RS-700	0.29765641509
874	-122.361	37.717	2136.976	2088955.693	6023365.125	0	RS-700	-0.06933553459
875	-122.361	37.717	2113.857	2088955.015	6023366.239	0	RS-700	-0.21473440252
876	-122.361	37.717	2065.427	2088954.591	6023367.446	0	RS-700	-0.51932503145
877	-122.361	37.717	2073.634	2088954.240	6023368.596	0	RS-700	-0.46771050315
878	-122.361	37.717	2141.871	2088954.110	6023369.635	0	RS-700	-0.03854591195
879	-122.361	37.717	2065.633	2088954.137	6023370.128	0	RS-700	-0.51803289308
880	-122.361	37.717	2052.036	2088954.171	6023370.244	0	RS-700	-0.60354433962
881	-122.361	37.717	2033.624	2088954.100	6023370.127	0	RS-700	-0.71934830189
882	-122.361	37.717	2027.826	2088954.120	6023369.144	0	RS-700	-0.75581018868
883	-122.361	37.717	2107.171	2088954.112	6023367.697	0	RS-700	-0.25678553459
884	-122.361	37.717	2024.518	2088954.115	6023367.552	0	RS-700	-0.77661616352
885	-122.361	37.717	2066.832	2088954.013	6023369.026	0	RS-700	-0.51048905660
886	-122.361	37.717	2019.613	2088954.067	6023369.982	0	RS-700	-0.80746754717
887	-122.361	37.717	2168.989	2088954.315	6023370.334	0	RS-700	0.13200459120
888	-122.361	37.717	2078.158	2088954.771	6023371.211	0	RS-700	-0.43925610063
889	-122.361	37.717	2030.727	2088955.150	6023372.289	0	RS-700	-0.73756471698
890	-122.361	37.717	2116.174	2088955.212	6023372.811	0	RS-700	-0.20016402516
891	-122.361	37.717	2158.658	2088955.525	6023371.746	0	RS-700	0.06703088050
892	-122.361	37.717	2119.438	2088956.238	6023370.661	0	RS-700	-0.17963245283
893	-122.361	37.717	2047.150	2088956.011	6023371.091	0	RS-700	-0.63427955975
894	-122.361	37.717	2041.518	2088955.401	6023372.467	0	RS-700	-0.66969666667
895	-122.361	37.717	2275.144	2088954.755	6023373.814	0	RS-700	0.79964981132
896	-122.361	37.717	2179.006	2088954.555	6023376.558	0	RS-700	0.19500358491
897	-122.361	37.717	2173.315	2088953.186	6023377.631	0	RS-700	0.15921314465
898	-122.361	37.717	2086.749	2088949.262	6023379.028	0	RS-700	-0.38522553459
899	-122.361	37.717	2065.784	2088949.492	6023378.425	0	RS-700	-0.51708408805

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
900	-122.361	37.717	2132.716	2088947.876	6023379.087	0	RS-700	-0.09612817610
901	-122.361	37.717	2115.177	2088946.191	6023379.603	0	RS-700	-0.20643672956
902	-122.361	37.717	2149.554	2088944.538	6023380.294	0	RS-700	0.00977088050
903	-122.361	37.717	2170.884	2088941.289	6023382.544	0	RS-700	0.14392150943
904	-122.361	37.717	2170.442	2088940.249	6023383.535	0	RS-700	0.14114415094
905	-122.361	37.717	2157.876	2088941.454	6023383.386	0	RS-700	0.06211069182
906	-122.361	37.717	2249.915	2088940.192	6023384.605	0	RS-700	0.64097540881
907	-122.361	37.717	2161.774	2088939.039	6023385.797	0	RS-700	0.08663132075
908	-122.361	37.717	2211.904	2088938.070	6023386.877	0	RS-700	0.40190987421
909	-122.361	37.717	2248.575	2088937.099	6023388.102	0	RS-700	0.63254672956
910	-122.361	37.717	2160.202	2088936.199	6023389.415	0	RS-700	0.07674427673
911	-122.361	37.717	2210.564	2088935.116	6023390.753	0	RS-700	0.39348371069
912	-122.361	37.717	2200.881	2088933.852	6023392.087	0	RS-700	0.33258610063
913	-122.361	37.717	2143.877	2088932.768	6023393.483	0	RS-700	-0.02593251572
914	-122.361	37.717	2123.763	2088931.713	6023395.227	0	RS-700	-0.15243528302
915	-122.361	37.717	2133.199	2088930.808	6023396.771	0	RS-700	-0.09308559748
916	-122.361	37.717	2217.334	2088930.165	6023398.003	0	RS-700	0.43606465409
917	-122.361	37.717	2227.570	2088928.975	6023399.252	0	RS-700	0.50043723270
918	-122.361	37.717	2207.345	2088927.709	6023400.615	0	RS-700	0.37323786164
919	-122.361	37.717	2296.032	2088926.553	6023401.981	0	RS-700	0.93101767296
920	-122.361	37.717	2221.795	2088925.612	6023403.525	0	RS-700	0.46412182390
921	-122.361	37.717	2254.798	2088924.566	6023404.835	0	RS-700	0.67168849057
922	-122.361	37.717	2176.449	2088923.662	6023406.350	0	RS-700	0.17892440252
923	-122.361	37.717	2219.896	2088923.203	6023409.263	0	RS-700	0.45217660377
924	-122.361	37.717	2217.025	2088921.900	6023410.683	0	RS-700	0.43411874214
925	-122.361	37.717	2257.806	2088920.888	6023412.139	0	RS-700	0.69060534591
926	-122.361	37.717	2189.887	2088920.017	6023413.799	0	RS-700	0.26344213837
927	-122.361	37.717	2272.155	2088919.551	6023415.294	0	RS-700	0.78084949686
928	-122.361	37.717	2173.781	2088918.685	6023416.724	0	RS-700	0.16214194969
929	-122.361	37.717	2211.347	2088918.369	6023417.932	0	RS-700	0.39840930818
930	-122.361	37.717	2197.892	2088918.314	6023418.857	0	RS-700	0.31378415094
931	-122.361	37.717	2219.896	2088918.699	6023419.646	0	RS-700	0.45217704403
932	-122.361	37.717	2154.417	2088919.117	6023420.638	0	RS-700	0.04035773585
933	-122.361	37.717	2275.814	2088919.198	6023422.028	0	RS-700	0.80386088050
934	-122.361	37.717	2260.372	2088918.841	6023423.525	0	RS-700	0.70674094340
935	-122.361	37.717	2226.464	2088918.685	6023424.043	0	RS-700	0.49348163522
936	-122.361	37.717	2324.579	2088919.414	6023422.177	0	RS-700	1.11056232704
937	-122.361	37.717	2276.926	2088920.544	6023420.290	0	RS-700	0.81085559748
938	-122.361	37.717	2256.146	2088918.668	6023419.385	0	RS-700	0.68016138365
939	-122.361	37.717	2221.904	2088917.923	6023420.238	0	RS-700	0.46480547170
940	-122.361	37.717	2221.557	2088920.193	6023421.440	0	RS-700	0.46261974843
941	-122.361	37.717	2254.046	2088919.599	6023422.007	0	RS-700	0.66695716981
942	-122.361	37.717	2211.336	2088919.337	6023422.378	0	RS-700	0.39833742138
943	-122.361	37.717	2221.683	2088918.231	6023423.079	0	RS-700	0.46341194969
944	-122.361	37.717	2227.014	2088917.378	6023423.843	0	RS-700	0.49694547170

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
945	-122.361	37.717	2175.212	2088916.557	6023424.811	0	RS-700	0.17114622642
946	-122.361	37.717	2226.024	2088915.988	6023425.957	0	RS-700	0.49071610063
947	-122.361	37.717	2174.774	2088914.986	6023426.920	0	RS-700	0.16838855346
948	-122.361	37.717	2223.719	2088914.168	6023427.743	0	RS-700	0.47622314465
949	-122.361	37.717	2294.811	2088914.093	6023427.857	0	RS-700	0.92333654088
950	-122.361	37.717	2225.350	2088915.746	6023427.167	0	RS-700	0.48648094340
951	-122.361	37.717	2138.654	2088916.990	6023426.845	0	RS-700	-0.05877974843
952	-122.361	37.717	2191.562	2088917.357	6023426.736	0	RS-700	0.27397509434
953	-122.361	37.717	2146.658	2088916.331	6023427.034	0	RS-700	-0.00844276730
954	-122.361	37.717	2232.482	2088915.121	6023427.444	0	RS-700	0.53133396226
955	-122.361	37.717	2229.569	2088913.439	6023427.786	0	RS-700	0.51301352201
956	-122.361	37.717	2236.138	2088911.761	6023427.927	0	RS-700	0.55432427673
957	-122.361	37.717	2219.133	2088910.414	6023427.871	0	RS-700	0.44737459120
958	-122.361	37.717	2147.556	2088909.101	6023427.989	0	RS-700	-0.00279006289
959	-122.361	37.717	2186.889	2088907.815	6023428.543	0	RS-700	0.24458339623
960	-122.361	37.717	2195.008	2088907.113	6023429.078	0	RS-700	0.29565081761
961	-122.361	37.717	2161.662	2088907.223	6023429.023	0	RS-700	0.08592452830
962	-122.361	37.717	2171.107	2088907.781	6023428.455	0	RS-700	0.14532584906
963	-122.361	37.717	2225.904	2088909.114	6023427.324	0	RS-700	0.48996295598
964	-122.361	37.717	2207.427	2088909.483	6023427.071	0	RS-700	0.37375459120
965	-122.361	37.717	2138.081	2088908.307	6023427.627	0	RS-700	-0.06238358491
966	-122.361	37.717	2204.566	2088907.826	6023427.993	0	RS-700	0.35576232704
967	-122.361	37.717	2194.890	2088908.305	6023427.713	0	RS-700	0.29490761006
968	-122.361	37.717	2209.901	2088908.084	6023427.825	0	RS-700	0.38931421384
969	-122.361	37.717	2128.549	2088909.263	6023427.154	0	RS-700	-0.12233220126
970	-122.361	37.717	2274.494	2088910.254	6023426.768	0	RS-700	0.79555786164
971	-122.361	37.717	2289.701	2088910.254	6023426.797	0	RS-700	0.89120157233
972	-122.361	37.717	2202.013	2088909.777	6023426.961	0	RS-700	0.33970245283
973	-122.361	37.717	2206.681	2088908.860	6023427.261	0	RS-700	0.36906364780
974	-122.361	37.717	2238.139	2088908.235	6023427.596	0	RS-700	0.56691465409
975	-122.361	37.717	2153.451	2088909.226	6023427.211	0	RS-700	0.03428100629
976	-122.361	37.717	2207.574	2088911.569	6023426.592	0	RS-700	0.37467610063
977	-122.361	37.717	2202.880	2088913.036	6023426.072	0	RS-700	0.34515603774
978	-122.361	37.717	2197.458	2088912.890	6023426.098	0	RS-700	0.31105654088
979	-122.361	37.717	2211.896	2088911.866	6023426.280	0	RS-700	0.40185867925
980	-122.361	37.717	2177.097	2088910.762	6023426.865	0	RS-700	0.18300100629
981	-122.361	37.717	2189.891	2088909.686	6023427.885	0	RS-700	0.26346641509
982	-122.361	37.717	2305.940	2088908.499	6023428.932	0	RS-700	0.99333371069
983	-122.361	37.717	2123.857	2088907.244	6023429.804	0	RS-700	-0.15184377359
984	-122.361	37.717	2254.031	2088905.983	6023430.965	0	RS-700	0.66685893082
985	-122.361	37.717	2258.380	2088905.227	6023432.339	0	RS-700	0.69421459120
986	-122.361	37.717	2183.006	2088904.325	6023433.738	0	RS-700	0.22016465409
987	-122.361	37.717	2045.621	2088903.605	6023435.171	0	RS-700	-0.64389144654
988	-122.361	37.717	2126.769	2088902.666	6023436.570	0	RS-700	-0.13353094340
989	-122.361	37.717	2167.883	2088901.445	6023437.529	0	RS-700	0.12504842767

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
990	-122.361	37.717	2122.971	2088900.478	6023438.551	0	RS-700	-0.15741509434
991	-122.361	37.717	2200.911	2088899.438	6023439.572	0	RS-700	0.33277144654
992	-122.361	37.717	2219.791	2088898.469	6023440.681	0	RS-700	0.45151547170
993	-122.361	37.717	2185.325	2088897.572	6023441.820	0	RS-700	0.23474880503
994	-122.361	37.717	2207.685	2088896.784	6023442.991	0	RS-700	0.37537559748
995	-122.361	37.717	2092.641	2088895.884	6023444.304	0	RS-700	-0.34816748428
996	-122.361	37.717	2125.762	2088894.803	6023445.584	0	RS-700	-0.13986295598
997	-122.361	37.717	2168.774	2088893.789	6023447.126	0	RS-700	0.13065144654
998	-122.361	37.717	2134.764	2088892.594	6023448.578	0	RS-700	-0.08324415094
999	-122.361	37.717	2092.060	2088891.400	6023450.030	0	RS-700	-0.35182088050
1000	-122.361	37.717	2179.547	2088890.390	6023451.369	0	RS-700	0.19840666667
1001	-122.361	37.717	2097.872	2088889.381	6023452.651	0	RS-700	-0.31526993711
1002	-122.361	37.717	2126.979	2088888.664	6023453.939	0	RS-700	-0.13220547170
1003	-122.361	37.717	2220.018	2088887.874	6023455.167	0	RS-700	0.45294610063
1004	-122.361	37.717	2192.680	2088886.940	6023456.363	0	RS-700	0.28100591195
1005	-122.361	37.717	2067.544	2088886.045	6023457.416	0	RS-700	-0.50601496855
1006	-122.361	37.717	2206.674	2088885.336	6023458.299	0	RS-700	0.36902194969
1007	-122.361	37.717	2188.891	2088884.545	6023459.585	0	RS-700	0.25717591195
1008	-122.361	37.717	2293.704	2088883.609	6023460.897	0	RS-700	0.91637616352
1009	-122.361	37.717	2180.877	2088882.966	6023462.071	0	RS-700	0.20677283019
1010	-122.361	37.717	2236.802	2088882.467	6023463.391	0	RS-700	0.55850207547
1011	-122.361	37.717	2291.939	2088882.152	6023464.571	0	RS-700	0.90527377359
1012	-122.361	37.717	2297.146	2088881.946	6023465.753	0	RS-700	0.93802377359
1013	-122.361	37.717	2260.918	2088881.927	6023466.737	0	RS-700	0.71017911950
1014	-122.361	37.717	2298.822	2088882.381	6023467.700	0	RS-700	0.94856761006
1015	-122.361	37.717	2243.139	2088882.617	6023468.631	0	RS-700	0.59835685535
1016	-122.361	37.717	2203.549	2088882.482	6023469.930	0	RS-700	0.34936566038
1017	-122.361	37.717	2257.913	2088882.018	6023471.280	0	RS-700	0.69127761006
1018	-122.361	37.717	2284.700	2088881.086	6023472.361	0	RS-700	0.85974534591
1019	-122.361	37.717	2283.587	2088879.834	6023473.089	0	RS-700	0.85274792453
1020	-122.361	37.717	2327.061	2088878.806	6023473.473	0	RS-700	1.12617125786
1021	-122.361	37.717	2230.794	2088878.290	6023473.810	0	RS-700	0.52071597484
1022	-122.361	37.717	2169.220	2088877.510	6023474.576	0	RS-700	0.13346094340
1023	-122.361	37.717	2260.689	2088876.187	6023475.186	0	RS-700	0.70873754717
1024	-122.361	37.717	2285.931	2088874.865	6023475.709	0	RS-700	0.86748855346
1025	-122.361	37.717	2237.694	2088873.873	6023476.123	0	RS-700	0.56411490566
1026	-122.361	37.717	2234.910	2088872.984	6023476.916	0	RS-700	0.54660138365
1027	-122.361	37.717	2266.147	2088872.093	6023477.766	0	RS-700	0.74306301887
1028	-122.361	37.717	2185.996	2088870.910	6023478.610	0	RS-700	0.23897081761
1029	-122.361	37.717	2108.963	2088869.654	6023479.511	0	RS-700	-0.24551836478
1030	-122.361	37.717	2142.768	2088868.611	6023480.706	0	RS-700	-0.03290842767
1031	-122.361	37.717	2093.736	2088867.563	6023482.131	0	RS-700	-0.34128308176
1032	-122.361	37.717	2168.786	2088866.590	6023483.443	0	RS-700	0.13072911950
1033	-122.361	37.717	2210.455	2088865.981	6023484.732	0	RS-700	0.39280088050
1034	-122.361	37.717	2130.759	2088865.083	6023485.959	0	RS-700	-0.10843654088

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1035	-122.361	37.717	2021.929	2088864.367	6023487.159	0	RS-700	-0.79289823899
1036	-122.361	37.717	2047.527	2088863.688	6023488.332	0	RS-700	-0.63190490566
1037	-122.361	37.717	2052.725	2088862.718	6023489.528	0	RS-700	-0.59921610063
1038	-122.361	37.717	2084.844	2088861.529	6023490.690	0	RS-700	-0.39720949686
1039	-122.361	37.717	2042.618	2088860.597	6023491.800	0	RS-700	-0.66278081761
1040	-122.361	37.717	2059.721	2088860.064	6023492.918	0	RS-700	-0.55521320755
1041	-122.361	37.717	1990.509	2088859.860	6023494.042	0	RS-700	-0.99050993711
1042	-122.361	37.717	2064.032	2088860.020	6023495.174	0	RS-700	-0.52809924528
1043	-122.361	37.717	2194.218	2088860.545	6023496.225	0	RS-700	0.29068025157
1044	-122.361	37.717	2171.219	2088860.969	6023496.899	0	RS-700	0.14603345912
1045	-122.361	37.717	2091.768	2088859.936	6023495.693	0	RS-700	-0.35365805031
1046	-122.361	37.717	2109.650	2088858.688	6023494.366	0	RS-700	-0.24119220126
1047	-122.361	37.717	2027.926	2088858.407	6023493.840	0	RS-700	-0.75518050315
1048	-122.361	37.717	2095.434	2088858.582	6023494.190	0	RS-700	-0.33060496855
1049	-122.361	37.717	2086.676	2088859.253	6023495.274	0	RS-700	-0.38568465409
1050	-122.361	37.717	2133.658	2088860.290	6023496.220	0	RS-700	-0.09020006289
1051	-122.361	37.717	2168.205	2088861.518	6023496.737	0	RS-700	0.12707257862
1052	-122.361	37.717	2102.643	2088862.135	6023496.865	0	RS-700	-0.28526119497
1053	-122.361	37.717	2127.754	2088860.896	6023496.898	0	RS-700	-0.12733283019
1054	-122.361	37.717	2133.555	2088860.273	6023497.088	0	RS-700	-0.09085031447
1055	-122.361	37.717	2167.774	2088861.769	6023496.944	0	RS-700	0.12436238994
1056	-122.361	37.717	2109.436	2088863.445	6023496.920	0	RS-700	-0.24254389937
1057	-122.361	37.717	2107.647	2088863.993	6023496.815	0	RS-700	-0.25379295598
1058	-122.361	37.717	2087.267	2088862.161	6023497.357	0	RS-700	-0.38196584906
1059	-122.361	37.717	2024.910	2088860.591	6023497.586	0	RS-700	-0.77414987421
1060	-122.361	37.717	2056.942	2088859.890	6023498.035	0	RS-700	-0.57269459120
1061	-122.361	37.717	2191.783	2088860.405	6023497.756	0	RS-700	0.27536761006
1062	-122.361	37.717	2109.970	2088861.393	6023497.544	0	RS-700	-0.23918018868
1063	-122.361	37.717	2132.978	2088862.528	6023497.249	0	RS-700	-0.09447729560
1064	-122.361	37.717	2122.760	2088863.891	6023496.437	0	RS-700	-0.15874100629
1065	-122.361	37.717	2171.092	2088864.971	6023495.243	0	RS-700	0.14523094340
1066	-122.361	37.717	2105.068	2088865.734	6023493.522	0	RS-700	-0.27001440252
1067	-122.361	37.717	2171.009	2088865.954	6023491.588	0	RS-700	0.14470930818
1068	-122.361	37.717	2104.078	2088865.554	6023489.758	0	RS-700	-0.27623836478
1069	-122.361	37.717	2116.950	2088865.288	6023488.451	0	RS-700	-0.19528276730
1070	-122.361	37.717	2026.829	2088865.343	6023487.526	0	RS-700	-0.76207874214
1071	-122.361	37.717	2059.528	2088864.966	6023488.184	0	RS-700	-0.55642459120
1072	-122.361	37.717	2084.051	2088863.950	6023489.813	0	RS-700	-0.40219201258
1073	-122.361	37.717	2079.948	2088862.789	6023491.410	0	RS-700	-0.42799729560
1074	-122.361	37.717	2173.669	2088861.665	6023493.008	0	RS-700	0.16143867925
1075	-122.361	37.717	1993.508	2088860.619	6023494.318	0	RS-700	-0.97164911950
1076	-122.361	37.717	2123.184	2088859.872	6023495.257	0	RS-700	-0.15607597484
1077	-122.361	37.717	2065.161	2088859.236	6023496.142	0	RS-700	-0.52100232704
1078	-122.361	37.717	2093.643	2088859.236	6023496.113	0	RS-700	-0.34186647799
1079	-122.361	37.717	2064.854	2088858.900	6023496.511	0	RS-700	-0.52293226415

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1080	-122.361	37.717	1973.904	2088858.676	6023496.796	0	RS-700	-1.09494496855
1081	-122.361	37.717	2077.949	2088858.638	6023496.911	0	RS-700	-0.44057301887
1082	-122.361	37.717	2064.732	2088859.049	6023496.369	0	RS-700	-0.52369811321
1083	-122.361	37.717	2076.637	2088859.951	6023494.970	0	RS-700	-0.44882553459
1084	-122.361	37.717	2241.913	2088861.211	6023493.866	0	RS-700	0.59065000000
1085	-122.361	37.717	2137.595	2088862.836	6023492.713	0	RS-700	-0.06543930818
1086	-122.361	37.717	2075.954	2088864.322	6023491.238	0	RS-700	-0.45312000000
1087	-122.361	37.717	2208.125	2088865.918	6023489.736	0	RS-700	0.37814251572
1088	-122.361	37.717	2284.045	2088867.333	6023488.202	0	RS-700	0.85562685535
1089	-122.361	37.717	2245.688	2088868.782	6023486.727	0	RS-700	0.61439226415
1090	-122.361	37.717	2253.595	2088870.014	6023485.247	0	RS-700	0.66412018868
1091	-122.361	37.717	2234.910	2088871.313	6023484.028	0	RS-700	0.54660283019
1092	-122.361	37.717	2237.018	2088872.648	6023482.811	0	RS-700	0.55985974843
1093	-122.361	37.717	2184.672	2088873.801	6023481.590	0	RS-700	0.23064421384
1094	-122.361	37.717	2177.783	2088874.958	6023480.195	0	RS-700	0.18731528302
1095	-122.361	37.717	2228.012	2088876.222	6023478.919	0	RS-700	0.50321924528
1096	-122.361	37.717	2222.126	2088877.374	6023477.755	0	RS-700	0.46620220126
1097	-122.361	37.717	2359.844	2088878.566	6023476.419	0	RS-700	1.33235031447
1098	-122.361	37.717	2204.663	2088879.723	6023474.996	0	RS-700	0.35636823899
1099	-122.361	37.717	2284.147	2088880.734	6023473.598	0	RS-700	0.85627144654
1100	-122.361	37.717	2274.613	2088881.854	6023472.232	0	RS-700	0.79631069182
1101	-122.361	37.717	2243.351	2088883.076	6023471.186	0	RS-700	0.59969138365
1102	-122.361	37.717	2271.040	2088884.267	6023469.937	0	RS-700	0.77383408805
1103	-122.361	37.717	2301.706	2088885.208	6023468.393	0	RS-700	0.96670591195
1104	-122.361	37.717	2323.193	2088886.083	6023466.501	0	RS-700	1.10184062893
1105	-122.361	37.717	2264.032	2088886.741	6023464.547	0	RS-700	0.72976163522
1106	-122.361	37.717	2205.678	2088887.508	6023462.624	0	RS-700	0.36275553459
1107	-122.361	37.717	2164.556	2088888.380	6023460.876	0	RS-700	0.10412465409
1108	-122.361	37.717	2183.108	2088889.499	6023459.539	0	RS-700	0.22080213837
1109	-122.361	37.717	2120.757	2088890.804	6023458.003	0	RS-700	-0.17134163522
1110	-122.361	37.717	2287.278	2088891.962	6023456.550	0	RS-700	0.87596031447
1111	-122.361	37.717	2231.362	2088893.009	6023455.211	0	RS-700	0.52428842767
1112	-122.361	37.717	2172.665	2088894.055	6023453.872	0	RS-700	0.15512886793
1113	-122.361	37.717	2192.656	2088894.994	6023452.416	0	RS-700	0.28085773585
1114	-122.361	37.717	2168.438	2088895.826	6023450.870	0	RS-700	0.12854106918
1115	-122.361	37.717	2169.438	2088896.909	6023449.561	0	RS-700	0.13483132076
1116	-122.361	37.717	2127.866	2088897.991	6023448.251	0	RS-700	-0.12663062893
1117	-122.361	37.717	2218.259	2088899.146	6023446.915	0	RS-700	0.44188113208
1118	-122.361	37.717	2235.790	2088900.344	6023445.289	0	RS-700	0.55213660377
1119	-122.361	37.717	2263.693	2088901.472	6023443.518	0	RS-700	0.72762867925
1120	-122.361	37.717	2168.993	2088902.526	6023441.803	0	RS-700	0.13203289308
1121	-122.361	37.717	2172.992	2088903.758	6023440.294	0	RS-700	0.15718276730
1122	-122.361	37.717	2158.446	2088905.060	6023438.903	0	RS-700	0.06569974843
1123	-122.361	37.717	2194.119	2088906.398	6023437.570	0	RS-700	0.29005924528
1124	-122.361	37.717	2320.839	2088907.553	6023436.233	0	RS-700	1.08704037736



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1125	-122.361	37.717	2315.061	2088908.601	6023434.807	0	RS-700	1.05070006289
1126	-122.361	37.717	2241.465	2088909.430	6023433.435	0	RS-700	0.58782754717
1127	-122.361	37.717	2225.918	2088910.406	6023431.950	0	RS-700	0.49005207547
1128	-122.361	37.717	2244.800	2088911.380	6023430.610	0	RS-700	0.60880232704
1129	-122.361	37.717	2223.456	2088912.607	6023429.303	0	RS-700	0.47456899371
1130	-122.361	37.717	2208.566	2088914.016	6023428.087	0	RS-700	0.38092069182
1131	-122.361	37.717	2253.474	2088915.353	6023426.754	0	RS-700	0.66335830189
1132	-122.361	37.717	2308.821	2088916.580	6023425.477	0	RS-700	1.01145566038
1133	-122.361	37.717	2230.022	2088917.883	6023424.056	0	RS-700	0.51586459120
1134	-122.361	37.717	2256.920	2088919.190	6023422.433	0	RS-700	0.68503427673
1135	-122.361	37.717	2309.054	2088920.424	6023420.809	0	RS-700	1.01291817610
1136	-122.361	37.717	2186.891	2088921.586	6023419.183	0	RS-700	0.24460025157
1137	-122.361	37.717	2279.927	2088922.600	6023417.612	0	RS-700	0.82973157233
1138	-122.361	37.717	2281.284	2088923.614	6023416.098	0	RS-700	0.83826490566
1139	-122.361	37.717	2184.100	2088924.702	6023414.500	0	RS-700	0.22704522013
1140	-122.361	37.717	2261.817	2088925.825	6023412.931	0	RS-700	0.71582723270
1141	-122.361	37.717	2287.049	2088927.055	6023411.509	0	RS-700	0.87452006289
1142	-122.361	37.717	2190.217	2088928.287	6023410.029	0	RS-700	0.26551779874
1143	-122.361	37.717	2070.946	2088929.300	6023408.545	0	RS-700	-0.48461849057
1144	-122.361	37.717	2234.686	2088930.314	6023406.974	0	RS-700	0.54519566038
1145	-122.361	37.717	2148.981	2088931.361	6023405.606	0	RS-700	0.00617044025
1146	-122.361	37.717	2176.213	2088932.405	6023404.412	0	RS-700	0.17743754717
1147	-122.361	37.717	2192.889	2088933.372	6023403.361	0	RS-700	0.28231786164
1148	-122.361	37.717	2198.008	2088934.742	6023402.231	0	RS-700	0.31451773585
1149	-122.361	37.717	2115.069	2088935.968	6023401.040	0	RS-700	-0.20711220126
1150	-122.361	37.717	2297.817	2088936.872	6023399.525	0	RS-700	0.94224213837
1151	-122.361	37.717	2131.762	2088937.412	6023398.031	0	RS-700	-0.10212779874
1152	-122.361	37.717	2336.075	2088937.844	6023396.419	0	RS-700	1.18285943396
1153	-122.361	37.717	2296.048	2088938.276	6023394.837	0	RS-700	0.93111729560
1154	-122.361	37.717	2283.821	2088938.851	6023393.402	0	RS-700	0.85422132076
1155	-122.361	37.717	2204.005	2088939.861	6023392.062	0	RS-700	0.35223207547
1156	-122.361	37.717	2134.981	2088940.838	6023390.577	0	RS-700	-0.08187823899
1157	-122.361	37.717	2159.638	2088942.070	6023389.039	0	RS-700	0.07319232704
1158	-122.361	37.717	2205.568	2088943.335	6023387.705	0	RS-700	0.36206471698
1159	-122.361	37.717	2163.666	2088944.744	6023386.431	0	RS-700	0.09852685535
1160	-122.361	37.717	2205.006	2088946.155	6023385.070	0	RS-700	0.35852679245
1161	-122.361	37.717	2184.101	2088947.423	6023383.562	0	RS-700	0.22704937107
1162	-122.361	37.717	2196.233	2088948.620	6023381.995	0	RS-700	0.30335484277
1163	-122.361	37.717	2187.324	2088950.066	6023380.693	0	RS-700	0.24731962264
1164	-122.361	37.717	2106.276	2088951.439	6023379.390	0	RS-700	-0.26241433962
1165	-122.361	37.717	2163.778	2088952.593	6023378.168	0	RS-700	0.09923081761
1166	-122.361	37.717	2095.855	2088953.601	6023376.916	0	RS-700	-0.32795433962
1167	-122.361	37.717	2129.973	2088954.685	6023375.520	0	RS-700	-0.11337616352
1168	-122.361	37.717	2036.054	2088955.737	6023373.891	0	RS-700	-0.70406012579
1169	-122.361	37.717	2093.060	2088956.754	6023372.176	0	RS-700	-0.34553597484

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1170	-122.361	37.717	2158.881	2088957.660	6023370.603	0	RS-700	0.06843547170
1171	-122.361	37.717	2163.211	2088958.600	6023369.088	0	RS-700	0.09566949686
1172	-122.361	37.717	2210.570	2088958.789	6023368.774	0	RS-700	0.39352157233
1173	-122.361	37.717	2191.216	2088959.163	6023368.260	0	RS-700	0.27179729560
1174	-122.361	37.717	2220.707	2088959.839	6023367.261	0	RS-700	0.45727396226
1175	-122.361	37.717	2166.665	2088960.437	6023366.463	0	RS-700	0.11738968554
1176	-122.361	37.717	2215.906	2088961.301	6023365.120	0	RS-700	0.42708000000
1177	-122.361	37.717	2198.568	2088962.390	6023363.493	0	RS-700	0.31804031447
1178	-122.361	37.717	2181.684	2088963.625	6023361.811	0	RS-700	0.21185069182
1179	-122.361	37.717	2121.295	2088964.896	6023360.158	0	RS-700	-0.16795691824
1180	-122.361	37.717	2122.967	2088965.732	6023358.410	0	RS-700	-0.15744308176
1181	-122.361	37.717	2222.570	2088966.498	6023356.545	0	RS-700	0.46899591195
1182	-122.361	37.717	2175.543	2088967.693	6023355.035	0	RS-700	0.17322383648
1183	-122.361	37.717	2070.640	2088969.038	6023353.355	0	RS-700	-0.48654264151
1184	-122.361	37.717	2208.785	2088970.419	6023351.647	0	RS-700	0.38229805031
1185	-122.361	37.717	2211.120	2088971.727	6023349.995	0	RS-700	0.39698075472
1186	-122.361	37.717	2119.085	2088972.925	6023348.370	0	RS-700	-0.18185716981
1187	-122.361	37.717	2162.446	2088974.048	6023346.801	0	RS-700	0.09085522013
1188	-122.361	37.717	2175.555	2088975.065	6023345.143	0	RS-700	0.17330421384
1189	-122.361	37.717	2123.450	2088976.009	6023343.455	0	RS-700	-0.15440132076
1190	-122.361	37.717	2190.862	2088977.242	6023341.888	0	RS-700	0.26957371069
1191	-122.361	37.717	2292.275	2088978.728	6023340.385	0	RS-700	0.90739018868
1192	-122.361	37.717	2268.169	2088980.249	6023339.026	0	RS-700	0.75578044025
1193	-122.361	37.717	2320.621	2088981.628	6023337.405	0	RS-700	1.08566465409
1194	-122.361	37.717	2278.352	2088982.680	6023335.805	0	RS-700	0.81982628931
1195	-122.361	37.717	2200.669	2088983.868	6023334.643	0	RS-700	0.33125339623
1196	-122.361	37.717	2201.676	2088985.384	6023333.516	0	RS-700	0.33758710692
1197	-122.361	37.717	2195.788	2088987.083	6023332.306	0	RS-700	0.30055572327
1198	-122.361	37.717	2142.978	2088988.855	6023331.126	0	RS-700	-0.03158402516
1199	-122.361	37.717	2146.766	2088990.414	6023329.623	0	RS-700	-0.00776075472
1200	-122.361	37.717	2184.696	2088991.794	6023328.002	0	RS-700	0.23079012579
1201	-122.361	37.717	2221.007	2088993.284	6023326.354	0	RS-700	0.45916358491
1202	-122.361	37.717	2098.543	2088994.594	6023324.557	0	RS-700	-0.31105062893
1203	-122.361	37.717	2162.772	2088995.901	6023322.934	0	RS-700	0.09290742138
1204	-122.361	37.717	2156.085	2088996.954	6023321.277	0	RS-700	0.05084880503
1205	-122.361	37.717	2117.757	2088997.938	6023319.416	0	RS-700	-0.19020534591
1206	-122.361	37.717	2233.465	2088999.135	6023317.820	0	RS-700	0.53751754717
1207	-122.361	37.717	2177.680	2089000.552	6023316.141	0	RS-700	0.18666836478
1208	-122.361	37.717	2107.968	2089002.005	6023314.492	0	RS-700	-0.25177245283
1209	-122.361	37.717	2114.967	2089003.418	6023313.045	0	RS-700	-0.20775194969
1210	-122.361	37.717	2209.909	2089004.861	6023311.916	0	RS-700	0.38936264151
1211	-122.361	37.717	2104.175	2089006.345	6023310.528	0	RS-700	-0.27562849057
1212	-122.361	37.717	2135.981	2089007.548	6023308.643	0	RS-700	-0.07558811321
1213	-122.361	37.717	2153.664	2089009.107	6023307.140	0	RS-700	0.03562559748
1214	-122.361	37.717	2102.857	2089010.629	6023305.695	0	RS-700	-0.28391553459

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1215	-122.361	37.717	2124.099	2089012.186	6023304.337	0	RS-700	-0.15032389937
1216	-122.361	37.717	2151.092	2089013.639	6023302.717	0	RS-700	0.01944597484
1217	-122.361	37.717	2094.538	2089015.128	6023301.069	0	RS-700	-0.33623773585
1218	-122.361	37.717	2072.167	2089016.653	6023299.450	0	RS-700	-0.47693578616
1219	-122.361	37.717	2058.531	2089017.892	6023297.594	0	RS-700	-0.56269534591
1220	-122.361	37.717	2138.188	2089019.272	6023295.973	0	RS-700	-0.06171308176
1221	-122.361	37.717	2063.952	2089020.617	6023294.264	0	RS-700	-0.52860201258
1222	-122.361	37.717	2162.085	2089021.891	6023292.496	0	RS-700	0.08858471698
1223	-122.361	37.717	2219.568	2089022.914	6023290.462	0	RS-700	0.45011006289
1224	-122.361	37.717	2049.732	2089023.651	6023288.220	0	RS-700	-0.61803748428
1225	-122.361	37.717	2083.838	2089024.241	6023286.004	0	RS-700	-0.40353201258
1226	-122.361	37.717	2092.437	2089025.150	6023284.257	0	RS-700	-0.34945006289
1227	-122.361	37.717	2096.644	2089026.566	6023282.665	0	RS-700	-0.32299163522
1228	-122.361	37.717	2066.959	2089027.877	6023280.840	0	RS-700	-0.50968987421
1229	-122.361	37.717	2095.329	2089029.262	6023278.958	0	RS-700	-0.33126465409
1230	-122.361	37.717	2131.402	2089030.570	6023277.248	0	RS-700	-0.10439220126
1231	-122.361	37.717	2102.645	2089031.658	6023275.650	0	RS-700	-0.28525106918
1232	-122.361	37.717	2220.125	2089032.850	6023274.343	0	RS-700	0.45361622642
1233	-122.361	37.717	2162.870	2089033.495	6023273.025	0	RS-700	0.09351955975
1234	-122.361	37.717	2206.234	2089033.807	6023271.990	0	RS-700	0.36625075472
1235	-122.362	37.717	2182.888	2089034.046	6023270.953	0	RS-700	0.21942050315
1236	-122.362	37.717	2172.537	2089034.250	6023269.829	0	RS-700	0.15431886793
1237	-122.362	37.717	2064.847	2089034.817	6023268.798	0	RS-700	-0.52297616352
1238	-122.362	37.717	2169.994	2089035.749	6023267.718	0	RS-700	0.13832396226
1239	-122.362	37.717	2114.318	2089036.638	6023266.954	0	RS-700	-0.21183396226
1240	-122.362	37.717	2180.680	2089037.676	6023266.049	0	RS-700	0.20553238994
1241	-122.362	37.717	2174.538	2089038.495	6023265.140	0	RS-700	0.16690591195
1242	-122.362	37.717	2191.673	2089039.356	6023263.999	0	RS-700	0.27467150943
1243	-122.362	37.717	2280.469	2089039.998	6023262.826	0	RS-700	0.83313603774
1244	-122.362	37.717	2233.798	2089040.824	6023261.599	0	RS-700	0.53961025157
1245	-122.362	37.717	2233.568	2089041.654	6023260.169	0	RS-700	0.53816301887
1246	-122.362	37.717	2267.925	2089042.594	6023258.654	0	RS-700	0.75424465409
1247	-122.362	37.717	2340.968	2089043.388	6023257.194	0	RS-700	1.21363716981
1248	-122.362	37.717	2210.121	2089044.322	6023255.998	0	RS-700	0.39069591195
1249	-122.362	37.717	2233.474	2089045.367	6023254.746	0	RS-700	0.53757182390
1250	-122.362	37.717	2202.250	2089046.418	6023253.146	0	RS-700	0.34119729560
1251	-122.362	37.717	2182.915	2089047.288	6023251.544	0	RS-700	0.21958987421
1252	-122.362	37.717	2268.034	2089048.266	6023250.001	0	RS-700	0.75492786164
1253	-122.362	37.717	2222.899	2089049.352	6023248.460	0	RS-700	0.47106364780
1254	-122.362	37.717	2234.916	2089050.588	6023246.778	0	RS-700	0.54664138365
1255	-122.362	37.717	2244.896	2089051.965	6023245.301	0	RS-700	0.60940855346
1256	-122.362	37.717	2106.763	2089053.372	6023244.143	0	RS-700	-0.25935352201
1257	-122.362	37.717	2109.759	2089054.564	6023242.778	0	RS-700	-0.24051163522
1258	-122.362	37.717	2181.673	2089055.723	6023241.297	0	RS-700	0.21178138365
1259	-122.362	37.717	2186.675	2089056.987	6023239.962	0	RS-700	0.24323930818

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1260	-122.362	37.717	2162.567	2089058.139	6023238.799	0	RS-700	0.09161616352
1261	-122.362	37.717	2210.338	2089058.512	6023238.401	0	RS-700	0.39206327044
1262	-122.362	37.717	2176.779	2089057.648	6023239.686	0	RS-700	0.18099981132
1263	-122.362	37.717	2194.111	2089056.560	6023241.313	0	RS-700	0.29000742138
1264	-122.362	37.717	2037.109	2089055.592	6023242.364	0	RS-700	-0.69742465409
1265	-122.362	37.717	2232.910	2089055.628	6023242.365	0	RS-700	0.53402226415
1266	-122.362	37.717	2215.794	2089056.227	6023241.567	0	RS-700	0.42637911950
1267	-122.362	37.717	2249.911	2089057.381	6023240.317	0	RS-700	0.64094704403
1268	-122.362	37.717	2186.999	2089058.716	6023239.128	0	RS-700	0.24527754717
1269	-122.362	37.717	2188.218	2089059.871	6023237.792	0	RS-700	0.25294081761
1270	-122.362	37.717	2113.850	2089060.915	6023236.569	0	RS-700	-0.21478044025
1271	-122.362	37.717	2158.555	2089061.886	6023235.373	0	RS-700	0.06638459120
1272	-122.362	37.717	2213.014	2089062.966	6023234.179	0	RS-700	0.40889069182
1273	-122.362	37.717	2278.151	2089064.191	6023233.017	0	RS-700	0.81855761006
1274	-122.362	37.717	2236.379	2089065.344	6023231.796	0	RS-700	0.55584251572
1275	-122.362	37.717	2241.477	2089066.282	6023230.426	0	RS-700	0.58790383648
1276	-122.362	37.717	2260.687	2089067.255	6023229.086	0	RS-700	0.70872610063
1277	-122.362	37.717	2122.605	2089067.832	6023227.564	0	RS-700	-0.15971855346
1278	-122.362	37.717	2318.826	2089068.481	6023226.044	0	RS-700	1.07437974843
1279	-122.362	37.717	2251.920	2089069.421	6023224.558	0	RS-700	0.65358433962
1280	-122.362	37.717	2535.551	2089070.545	6023222.989	0	RS-700	2.43742968553
1281	-122.362	37.717	2633.335	2089071.659	6023221.912	0	RS-700	1.28250788856
1282	-122.362	37.717	2739.388	2089072.551	6023221.004	0	RS-700	1.59351416422
1283	-122.362	37.717	2684.359	2089073.409	6023219.980	0	RS-700	1.43213879765
1284	-122.362	37.717	2364.677	2089074.195	6023218.925	0	RS-700	0.49465325513
1285	-122.362	37.717	1855.569	2089075.091	6023217.843	0	RS-700	-0.99833032258
1286	-122.362	37.717	1547.320	2089075.729	6023216.872	0	RS-700	-1.90228671554
1287	-122.362	37.718	1574.484	2089076.732	6023215.880	0	RS-700	-1.82262868035
1288	-122.362	37.718	1872.758	2089077.547	6023215.173	0	RS-700	-0.94792322581
1289	-122.362	37.718	2406.850	2089078.736	6023214.010	0	RS-700	0.61832809384
1290	-122.362	37.718	2477.270	2089080.255	6023212.710	0	RS-700	0.82483988270
1291	-122.362	37.718	2428.629	2089081.445	6023211.489	0	RS-700	0.68219507331
1292	-122.362	37.718	2272.700	2089082.576	6023209.516	0	RS-700	0.22492653959
1293	-122.362	37.718	2176.561	2089083.526	6023207.567	0	RS-700	-0.05700718475
1294	-122.362	37.718	2167.452	2089084.398	6023205.820	0	RS-700	0.12233924528
1295	-122.362	37.718	2145.293	2089085.594	6023204.310	0	RS-700	-0.01702402516
1296	-122.362	37.718	2255.918	2089087.155	6023202.721	0	RS-700	0.67873025157
1297	-122.362	37.718	2244.576	2089088.322	6023200.806	0	RS-700	0.60739779874
1298	-122.362	37.718	2325.951	2089089.376	6023199.063	0	RS-700	1.11918729560
1299	-122.362	37.718	2161.554	2089090.426	6023197.579	0	RS-700	0.08524465409
1300	-122.362	37.718	2199.676	2089091.542	6023196.386	0	RS-700	0.32500433962
1301	-122.362	37.718	2205.340	2089092.694	6023195.223	0	RS-700	0.36062647799
1302	-122.362	37.718	2215.894	2089093.918	6023194.119	0	RS-700	0.42700327044
1303	-122.362	37.718	2224.684	2089095.040	6023192.637	0	RS-700	0.48229157233
1304	-122.362	37.718	2167.101	2089096.093	6023190.980	0	RS-700	0.12013301887

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1305	-122.362	37.718	2180.998	2089097.142	6023189.497	0	RS-700	0.20753572327
1306	-122.362	37.718	2181.668	2089098.114	6023188.214	0	RS-700	0.21174823899
1307	-122.362	37.718	2165.310	2089099.302	6023187.080	0	RS-700	0.10886610063
1308	-122.362	37.718	2162.986	2089100.528	6023185.861	0	RS-700	0.09425465409
1309	-122.362	37.718	2195.206	2089101.398	6023184.229	0	RS-700	0.29689056604
1310	-122.362	37.718	2157.200	2089101.869	6023182.532	0	RS-700	0.05786377358
1311	-122.362	37.718	2354.075	2089102.378	6023180.777	0	RS-700	1.29606830189
1312	-122.362	37.718	2218.782	2089103.137	6023179.201	0	RS-700	0.44516855346
1313	-122.362	37.718	2275.383	2089104.005	6023177.685	0	RS-700	0.80115345912
1314	-122.362	37.718	2274.270	2089104.948	6023176.055	0	RS-700	0.79415050315
1315	-122.362	37.718	2294.378	2089105.849	6023174.684	0	RS-700	0.92061710692
1316	-122.362	37.718	2216.875	2089106.749	6023173.371	0	RS-700	0.43317503145
1317	-122.362	37.718	2200.676	2089107.759	6023172.060	0	RS-700	0.33129289308
1318	-122.362	37.718	2268.264	2089108.770	6023170.663	0	RS-700	0.75637899371
1319	-122.362	37.718	2267.807	2089109.708	6023169.264	0	RS-700	0.75350509434
1320	-122.362	37.718	2238.688	2089110.536	6023167.921	0	RS-700	0.57036459120
1321	-122.362	37.718	2210.788	2089111.331	6023166.403	0	RS-700	0.39489308176
1322	-122.362	37.718	2237.245	2089112.198	6023164.916	0	RS-700	0.56129201258
1323	-122.362	37.718	2270.698	2089113.101	6023163.488	0	RS-700	0.77168396226
1324	-122.362	37.718	2252.028	2089114.143	6023162.380	0	RS-700	0.65426238994
1325	-122.362	37.718	2219.016	2089115.219	6023161.389	0	RS-700	0.44664301887
1326	-122.362	37.718	2351.966	2089116.366	6023160.457	0	RS-700	1.28280377358
1327	-122.362	37.718	2189.110	2089117.411	6023159.176	0	RS-700	0.25855069182
1328	-122.362	37.718	2302.716	2089118.237	6023157.948	0	RS-700	0.97305610063
1329	-122.362	37.718	2240.687	2089119.211	6023156.579	0	RS-700	0.58293591195
1330	-122.362	37.718	2216.680	2089120.149	6023155.180	0	RS-700	0.43195075472
1331	-122.362	37.718	2137.296	2089121.085	6023153.926	0	RS-700	-0.06732389937
1332	-122.362	37.718	2302.170	2089122.017	6023152.816	0	RS-700	0.96962371069
1333	-122.362	37.718	2245.138	2089123.128	6023151.913	0	RS-700	0.61093389937
1334	-122.362	37.718	2196.887	2089124.129	6023151.007	0	RS-700	0.30746289308
1335	-122.362	37.718	2437.758	2089125.207	6023149.900	0	RS-700	1.82237867925
1336	-122.362	37.718	2298.707	2089126.211	6023148.907	0	RS-700	0.94784396226
1337	-122.362	37.718	2356.058	2089127.107	6023147.797	0	RS-700	1.30854044025
1338	-122.362	37.718	2367.727	2089127.928	6023146.801	0	RS-700	1.38192836478
1339	-122.362	37.718	2320.711	2089128.529	6023145.887	0	RS-700	1.08623452830
1340	-122.362	37.718	2335.298	2089129.126	6023145.146	0	RS-700	1.17797597484
1341	-122.362	37.718	2349.193	2089129.721	6023144.522	0	RS-700	1.26536767296
1342	-122.362	37.718	2272.580	2089130.314	6023144.013	0	RS-700	0.78352056604
1343	-122.362	37.718	2295.492	2089130.759	6023143.617	0	RS-700	0.92762534591
1344	-122.362	37.718	2339.960	2089131.350	6023143.195	0	RS-700	1.20729603774
1345	-122.362	37.718	2303.287	2089131.904	6023142.801	0	RS-700	0.97664591195
1346	-122.362	37.718	2269.708	2089132.385	6023142.434	0	RS-700	0.76545899371
1347	-122.362	37.718	2280.286	2089132.828	6023142.125	0	RS-700	0.83198779874
1348	-122.362	37.718	2328.081	2089133.454	6023141.790	0	RS-700	1.13258396226
1349	-122.362	37.718	2313.175	2089134.301	6023141.315	0	RS-700	1.03883874214

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1350	-122.362	37.718	2337.719	2089135.189	6023140.609	0	RS-700	1.19320320755
1351	-122.362	37.718	2272.375	2089136.118	6023139.673	0	RS-700	0.78223251572
1352	-122.362	37.718	2279.929	2089136.940	6023138.648	0	RS-700	0.82974264151
1353	-122.362	37.718	2331.247	2089137.726	6023137.593	0	RS-700	1.15249465409
1354	-122.362	37.718	2323.531	2089138.619	6023136.627	0	RS-700	1.10396773585
1355	-122.362	37.718	2314.707	2089139.327	6023135.831	0	RS-700	1.04847069182
1356	-122.362	37.718	2228.341	2089139.887	6023135.119	0	RS-700	0.50528962264
1357	-122.362	37.718	2296.283	2089140.447	6023134.436	0	RS-700	0.93259937107
1358	-122.362	37.718	2313.712	2089141.045	6023133.667	0	RS-700	1.04221402516
1359	-122.362	37.718	2329.482	2089141.646	6023132.753	0	RS-700	1.14139553459
1360	-122.362	37.718	2249.247	2089142.505	6023131.671	0	RS-700	0.63677207547
1361	-122.362	37.718	2167.666	2089143.359	6023130.849	0	RS-700	0.12368597484
1362	-122.362	37.718	2159.286	2089144.353	6023130.290	0	RS-700	0.07098308176
1363	-122.362	37.718	2172.316	2089145.539	6023129.301	0	RS-700	0.15292779874
1364	-122.362	37.718	2176.319	2089146.508	6023128.163	0	RS-700	0.17810389937
1365	-122.362	37.718	2253.800	2089147.444	6023126.909	0	RS-700	0.66540660377
1366	-122.362	37.718	2248.595	2089148.234	6023125.623	0	RS-700	0.63267345912
1367	-122.362	37.718	2224.906	2089148.876	6023124.449	0	RS-700	0.48368603774
1368	-122.362	37.718	2259.922	2089149.626	6023123.365	0	RS-700	0.70391295598
1369	-122.362	37.718	2163.208	2089150.486	6023122.283	0	RS-700	0.09564773585
1370	-122.362	37.718	2175.666	2089151.706	6023121.323	0	RS-700	0.17399993711
1371	-122.362	37.718	2277.168	2089152.966	6023120.249	0	RS-700	0.81237704403
1372	-122.362	37.718	2193.353	2089154.268	6023118.857	0	RS-700	0.28523962264
1373	-122.362	37.718	2309.292	2089155.210	6023117.285	0	RS-700	1.01441559748
1374	-122.362	37.718	2356.080	2089155.970	6023115.709	0	RS-700	1.30867666667
1375	-122.362	37.718	2353.559	2089156.542	6023114.419	0	RS-700	1.29282163522
1376	-122.362	37.718	2323.161	2089157.039	6023113.242	0	RS-700	1.10164238994
1377	-122.362	37.718	2381.331	2089157.415	6023112.613	0	RS-700	1.46749308176
1378	-122.362	37.718	2437.600	2089157.760	6023111.781	0	RS-700	1.82138056604
1379	-122.362	37.718	2310.828	2089158.145	6023110.747	0	RS-700	1.02407805031
1380	-122.362	37.718	2365.848	2089158.072	6023110.717	0	RS-700	1.37011408805
1381	-122.362	37.718	2329.531	2089158.109	6023110.689	0	RS-700	1.14170327044
1382	-122.362	37.718	2288.047	2089158.298	6023110.345	0	RS-700	0.88079716981
1383	-122.362	37.718	2339.066	2089158.376	6023110.087	0	RS-700	1.20167578616
1384	-122.362	37.718	2293.824	2089158.762	6023109.024	0	RS-700	0.91712930818
1385	-122.362	37.718	2384.332	2089159.291	6023108.022	0	RS-700	1.48636584906
1386	-122.362	37.718	2326.716	2089160.005	6023106.908	0	RS-700	1.12399805031
1387	-122.362	37.718	2436.105	2089160.724	6023105.591	0	RS-700	1.81198100629
1388	-122.362	37.718	2366.732	2089161.299	6023104.127	0	RS-700	1.37567012579
1389	-122.362	37.718	2356.365	2089161.981	6023102.810	0	RS-700	1.31047295597
1390	-122.362	37.718	2534.290	2089162.542	6023102.069	0	RS-700	2.42949660377
1391	-122.362	37.718	2435.627	2089162.766	6023101.784	0	RS-700	1.80897685535
1392	-122.362	37.718	2205.336	2089162.841	6023101.699	0	RS-700	0.36060176101
1393	-122.362	37.718	2445.992	2089163.066	6023101.356	0	RS-700	1.87416295597
1394	-122.362	37.718	2291.627	2089163.811	6023100.503	0	RS-700	0.90331150943

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1395	-122.362	37.718	2299.938	2089164.486	6023099.533	0	RS-700	0.95558528302
1396	-122.362	37.718	2321.056	2089165.049	6023098.705	0	RS-700	1.08840496855
1397	-122.362	37.718	2351.605	2089165.427	6023097.989	0	RS-700	1.28053496855
1398	-122.362	37.718	2335.616	2089165.465	6023097.903	0	RS-700	1.17997238994
1399	-122.362	37.718	2339.856	2089165.350	6023098.190	0	RS-700	1.20664075472
1400	-122.362	37.718	2329.056	2089165.581	6023097.587	0	RS-700	1.13871641509
1401	-122.362	37.718	2287.920	2089166.074	6023096.614	0	RS-700	0.87999849057
1402	-122.362	37.718	2311.291	2089166.778	6023095.991	0	RS-700	1.02698685535
1403	-122.362	37.718	2208.565	2089167.552	6023095.544	0	RS-700	0.38091377359
1404	-122.362	37.718	2341.762	2089168.695	6023094.843	0	RS-700	1.21862779874
1405	-122.362	37.718	2256.916	2089170.058	6023094.031	0	RS-700	0.68500773585
1406	-122.362	37.718	2288.843	2089171.207	6023093.071	0	RS-700	0.88580660377
1407	-122.362	37.718	2276.708	2089172.359	6023091.907	0	RS-700	0.80948503145
1408	-122.362	37.718	2221.793	2089173.337	6023090.307	0	RS-700	0.46410842767
1409	-122.362	37.718	2343.711	2089174.392	6023088.534	0	RS-700	1.23088855346
1410	-122.362	37.718	2361.308	2089175.335	6023086.904	0	RS-700	1.34155930818
1411	-122.362	37.718	2348.079	2089176.274	6023085.476	0	RS-700	1.25835849057
1412	-122.362	37.718	2293.398	2089177.390	6023084.312	0	RS-700	0.91445006289
1413	-122.362	37.718	2399.101	2089178.572	6023083.497	0	RS-700	1.57925119497
1414	-122.362	37.718	2416.223	2089179.577	6023082.388	0	RS-700	1.68693861635
1415	-122.362	37.718	2423.230	2089180.403	6023081.161	0	RS-700	1.73100761006
1416	-122.362	37.718	2351.604	2089181.052	6023079.640	0	RS-700	1.28053119497
1417	-122.362	37.718	2415.900	2089181.665	6023078.119	0	RS-700	1.68490654088
1418	-122.362	37.718	2397.476	2089182.595	6023077.125	0	RS-700	1.56902886792
1419	-122.362	37.718	2380.322	2089183.562	6023076.103	0	RS-700	1.46114194969
1420	-122.362	37.718	2367.848	2089184.347	6023075.106	0	RS-700	1.38269238994
1421	-122.362	37.718	2486.139	2089185.021	6023074.165	0	RS-700	2.12665817610
1422	-122.362	37.718	2366.667	2089185.992	6023072.969	0	RS-700	1.37526572327
1423	-122.362	37.718	2359.193	2089187.253	6023071.808	0	RS-700	1.32826062893
1424	-122.362	37.718	2333.601	2089188.408	6023070.529	0	RS-700	1.16730314465
1425	-122.362	37.718	2293.734	2089189.310	6023069.101	0	RS-700	0.91656308176
1426	-122.362	37.718	2374.851	2089190.217	6023067.441	0	RS-700	1.42673622642
1427	-122.362	37.718	2461.613	2089191.160	6023065.810	0	RS-700	1.97241069182
1428	-122.362	37.718	2364.961	2089192.099	6023064.412	0	RS-700	1.36453144654
1429	-122.362	37.718	2395.096	2089193.073	6023063.042	0	RS-700	1.55406125786
1430	-122.362	37.718	2480.275	2089194.195	6023061.560	0	RS-700	2.08977685535
1431	-122.362	37.718	2329.519	2089195.316	6023060.107	0	RS-700	1.14162647799
1432	-122.362	37.718	2357.784	2089196.327	6023058.739	0	RS-700	1.31939345912
1433	-122.362	37.718	2477.388	2089197.225	6023057.541	0	RS-700	2.07162245283
1434	-122.362	37.718	2432.992	2089198.311	6023056.030	0	RS-700	1.79240477987
1435	-122.362	37.718	2392.859	2089199.215	6023054.514	0	RS-700	1.53999069182
1436	-122.362	37.718	2384.852	2089200.010	6023053.026	0	RS-700	1.48963251572
1437	-122.362	37.718	2261.082	2089200.839	6023051.625	0	RS-700	0.71120949686
1438	-122.362	37.718	2256.581	2089201.623	6023050.628	0	RS-700	0.68289654088
1439	-122.362	37.718	2168.781	2089202.662	6023049.665	0	RS-700	0.13069974843

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1440	-122.362	37.718	2224.576	2089203.811	6023048.675	0	RS-700	0.48160798742
1441	-122.362	37.718	2261.261	2089204.813	6023047.712	0	RS-700	0.71233578616
1442	-122.362	37.718	2252.803	2089205.962	6023046.751	0	RS-700	0.65913742138
1443	-122.362	37.718	2236.801	2089206.999	6023045.875	0	RS-700	0.55849553459
1444	-122.362	37.718	2284.070	2089207.893	6023044.880	0	RS-700	0.85578811321
1445	-122.362	37.718	2196.564	2089208.678	6023043.854	0	RS-700	0.30543415094
1446	-122.362	37.718	2206.003	2089209.210	6023042.707	0	RS-700	0.36479691824
1447	-122.362	37.718	2225.019	2089209.529	6023041.354	0	RS-700	0.48439641509
1448	-122.362	37.718	2318.063	2089209.628	6023040.025	0	RS-700	1.06957547170
1449	-122.362	37.718	2264.034	2089209.770	6023038.408	0	RS-700	0.72977226415
1450	-122.362	37.718	2304.052	2089210.272	6023036.971	0	RS-700	0.98145635220
1451	-122.362	37.718	2313.594	2089211.030	6023035.482	0	RS-700	1.04146943396
1452	-122.362	37.718	2230.250	2089212.080	6023033.941	0	RS-700	0.51729270440
1453	-122.362	37.718	2181.664	2089213.271	6023032.663	0	RS-700	0.21172069182
1454	-122.362	37.718	2198.015	2089214.357	6023031.151	0	RS-700	0.31455811321
1455	-122.362	37.718	2104.434	2089214.937	6023029.456	0	RS-700	-0.27400138365
1456	-122.362	37.718	2215.906	2089215.732	6023027.967	0	RS-700	0.42708270440
1457	-122.362	37.718	2167.310	2089216.771	6023026.975	0	RS-700	0.12144528302
1458	-122.362	37.718	2234.018	2089217.849	6023025.868	0	RS-700	0.54099666667
1459	-122.362	37.718	2236.463	2089218.853	6023024.818	0	RS-700	0.55636805031
1460	-122.362	37.718	2151.870	2089219.967	6023023.770	0	RS-700	0.02433949686
1461	-122.362	37.718	2213.348	2089221.081	6023022.664	0	RS-700	0.41099062893
1462	-122.362	37.718	2250.701	2089222.021	6023021.207	0	RS-700	0.64591993711
1463	-122.362	37.718	2189.563	2089223.069	6023019.781	0	RS-700	0.26140327044
1464	-122.362	37.718	2186.334	2089224.188	6023018.473	0	RS-700	0.24109396226
1465	-122.362	37.718	2187.328	2089225.232	6023017.250	0	RS-700	0.24734540881
1466	-122.362	37.718	2245.908	2089226.202	6023016.054	0	RS-700	0.61577295598
1467	-122.362	37.718	2200.342	2089227.025	6023015.000	0	RS-700	0.32919610063
1468	-122.362	37.718	2239.026	2089227.961	6023013.717	0	RS-700	0.57248849057
1469	-122.362	37.718	2134.089	2089228.791	6023012.258	0	RS-700	-0.08749232704
1470	-122.362	37.718	2282.158	2089229.766	6023010.859	0	RS-700	0.84375899371
1471	-122.362	37.718	2213.793	2089230.735	6023009.750	0	RS-700	0.41379213837
1472	-122.362	37.718	2183.119	2089231.776	6023008.643	0	RS-700	0.22087597484
1473	-122.362	37.718	2268.386	2089232.746	6023007.476	0	RS-700	0.75714509434
1474	-122.362	37.718	2253.145	2089233.611	6023006.105	0	RS-700	0.66129232704
1475	-122.362	37.718	2288.271	2089234.659	6023004.708	0	RS-700	0.88220522013
1476	-122.362	37.718	2265.942	2089235.520	6023003.539	0	RS-700	0.74177484277
1477	-122.362	37.718	2259.018	2089236.559	6023002.547	0	RS-700	0.69822823899
1478	-122.362	37.718	2218.348	2089237.703	6023001.818	0	RS-700	0.44244069182
1479	-122.362	37.718	2189.891	2089239.064	6023001.150	0	RS-700	0.26346276730
1480	-122.362	37.718	2280.930	2089240.319	6023000.279	0	RS-700	0.83603515723
1481	-122.362	37.718	2201.897	2089241.543	6022999.146	0	RS-700	0.33897641509
1482	-122.362	37.718	2273.815	2089242.694	6022998.040	0	RS-700	0.79128654088
1483	-122.362	37.718	2257.029	2089243.670	6022996.613	0	RS-700	0.68571742138
1484	-122.362	37.718	2194.013	2089244.572	6022995.214	0	RS-700	0.28938930818



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1485	-122.362	37.718	2179.889	2089245.472	6022993.872	0	RS-700	0.20055748428
1486	-122.362	37.718	2259.045	2089246.230	6022992.412	0	RS-700	0.69839836478
1487	-122.362	37.718	2264.928	2089247.024	6022990.923	0	RS-700	0.73539723270
1488	-122.362	37.718	2262.578	2089248.217	6022989.558	0	RS-700	0.72061320755
1489	-122.362	37.718	2258.474	2089249.375	6022988.106	0	RS-700	0.69480754717
1490	-122.363	37.718	2342.657	2089250.353	6022986.534	0	RS-700	1.22425654088
1491	-122.363	37.718	2334.483	2089251.258	6022984.990	0	RS-700	1.17284742138
1492	-122.363	37.718	2287.470	2089251.981	6022983.442	0	RS-700	0.87717012579
1493	-122.363	37.718	2381.976	2089252.630	6022981.922	0	RS-700	1.47154421384
1494	-122.363	37.718	2204.013	2089253.276	6022980.575	0	RS-700	0.35228176101
1495	-122.363	37.718	2267.934	2089254.067	6022979.231	0	RS-700	0.75430270440
1496	-122.363	37.718	2355.835	2089254.857	6022977.974	0	RS-700	1.30714113208
1497	-122.363	37.718	2358.843	2089255.608	6022976.831	0	RS-700	1.32605415094
1498	-122.363	37.718	2306.058	2089256.357	6022975.805	0	RS-700	0.99407402516
1499	-122.363	37.718	2308.712	2089257.105	6022974.836	0	RS-700	1.01076666667
1500	-122.363	37.718	2282.158	2089258.036	6022973.784	0	RS-700	0.84376232704
1501	-122.363	37.718	2243.137	2089258.966	6022972.790	0	RS-700	0.59834301887
1502	-122.363	37.718	2300.710	2089260.009	6022971.625	0	RS-700	0.96044182390
1503	-122.363	37.718	2372.090	2089260.945	6022970.370	0	RS-700	1.40937150943
1504	-122.363	37.718	2342.303	2089261.736	6022969.055	0	RS-700	1.22203050314
1505	-122.363	37.718	2295.944	2089262.563	6022967.770	0	RS-700	0.93046522013
1506	-122.363	37.718	2269.040	2089263.348	6022966.744	0	RS-700	0.76126056604
1507	-122.363	37.718	2369.818	2089264.171	6022965.661	0	RS-700	1.39508232704
1508	-122.363	37.718	2320.062	2089265.033	6022964.434	0	RS-700	1.08215006289
1509	-122.363	37.718	2298.915	2089265.783	6022963.350	0	RS-700	0.94914867925
1510	-122.363	37.718	2362.973	2089266.495	6022962.323	0	RS-700	1.35203188679
1511	-122.363	37.718	2326.065	2089267.244	6022961.267	0	RS-700	1.11990484277
1512	-122.363	37.718	2272.926	2089268.066	6022960.242	0	RS-700	0.78569603774
1513	-122.363	37.718	2301.937	2089268.920	6022959.420	0	RS-700	0.96815566038
1514	-122.363	37.718	2368.847	2089270.102	6022958.576	0	RS-700	1.38897779874
1515	-122.363	37.718	2296.055	2089271.105	6022957.612	0	RS-700	0.93116188679
1516	-122.363	37.718	2342.954	2089272.074	6022956.503	0	RS-700	1.22612534591
1517	-122.363	37.718	2412.621	2089273.013	6022955.075	0	RS-700	1.66428320755
1518	-122.363	37.718	2292.940	2089273.990	6022953.532	0	RS-700	0.91156987421
1519	-122.363	37.718	2247.472	2089274.896	6022951.959	0	RS-700	0.62560886793
1520	-122.363	37.718	2380.856	2089275.798	6022950.560	0	RS-700	1.46450396226
1521	-122.363	37.718	2329.526	2089276.767	6022949.422	0	RS-700	1.14167044025
1522	-122.363	37.718	2294.833	2089277.629	6022948.195	0	RS-700	0.92347622642
1523	-122.363	37.718	2313.289	2089278.491	6022946.968	0	RS-700	1.03955603774
1524	-122.363	37.718	2282.160	2089279.389	6022945.771	0	RS-700	0.84377251572
1525	-122.363	37.718	2395.074	2089280.102	6022944.715	0	RS-700	1.55392264151
1526	-122.363	37.718	2327.367	2089280.594	6022943.799	0	RS-700	1.12809647799
1527	-122.363	37.718	2314.595	2089281.300	6022943.061	0	RS-700	1.04776786164
1528	-122.363	37.718	2345.842	2089282.221	6022942.558	0	RS-700	1.24429157233
1529	-122.363	37.718	2322.418	2089283.355	6022942.291	0	RS-700	1.09696742138

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1530	-122.363	37.718	2253.813	2089284.227	6022942.425	0	RS-700	0.66548855346
1531	-122.363	37.718	2298.052	2089284.770	6022942.551	0	RS-700	0.94372220126
1532	-122.363	37.718	2335.839	2089284.988	6022942.584	0	RS-700	1.18137584906
1533	-122.363	37.718	2333.823	2089286.149	6022942.839	0	RS-700	1.16869905660
1534	-122.363	37.718	2298.711	2089285.605	6022942.712	0	RS-700	0.94786867925
1535	-122.363	37.718	2293.165	2089284.775	6022942.320	0	RS-700	0.91298761006
1536	-122.363	37.718	2186.102	2089284.056	6022941.871	0	RS-700	0.23963459120
1537	-122.363	37.718	2311.073	2089283.627	6022941.429	0	RS-700	1.02561333333
1538	-122.363	37.718	2298.067	2089284.347	6022941.848	0	RS-700	0.94381666667
1539	-122.363	37.718	2245.923	2089285.465	6022942.391	0	RS-700	0.61586622642
1540	-122.363	37.718	2229.251	2089286.038	6022942.895	0	RS-700	0.51101188679
1541	-122.363	37.718	2205.668	2089285.720	6022942.425	0	RS-700	0.36269264151
1542	-122.363	37.718	1950.988	2089285.237	6022941.085	0	RS-700	-1.23907000000
1543	-122.363	37.718	1847.755	2089285.151	6022939.897	0	RS-700	-1.88833597484
1544	-122.363	37.718	1898.589	2089285.251	6022938.539	0	RS-700	-1.56862012579
1545	-122.363	37.718	2014.820	2089285.673	6022937.448	0	RS-700	-0.83761320755
1546	-122.363	37.718	2045.623	2089286.164	6022936.561	0	RS-700	-0.64387893082
1547	-122.363	37.718	1969.501	2089285.936	6022937.049	0	RS-700	-1.12263540881
1548	-122.363	37.718	1866.390	2089285.327	6022938.367	0	RS-700	-1.77112905660
1549	-122.363	37.718	2031.517	2089284.676	6022939.974	0	RS-700	-0.73259987421
1550	-122.363	37.718	2238.550	2089284.296	6022940.777	0	RS-700	0.56949874214
1551	-122.363	37.718	2327.477	2089284.057	6022941.814	0	RS-700	1.12878547170
1552	-122.363	37.718	2429.499	2089284.113	6022942.625	0	RS-700	1.77043383648
1553	-122.363	37.718	2287.162	2089283.956	6022943.200	0	RS-700	0.87523018868
1554	-122.363	37.718	2329.086	2089283.725	6022943.861	0	RS-700	1.13890528302
1555	-122.363	37.718	2345.188	2089283.196	6022944.805	0	RS-700	1.24017578616
1556	-122.363	37.718	2314.047	2089282.707	6022945.606	0	RS-700	1.04431993711
1557	-122.363	37.718	2263.373	2089282.481	6022945.948	0	RS-700	0.72561333333
1558	-122.363	37.718	2306.594	2089282.140	6022946.636	0	RS-700	0.99744490566
1559	-122.363	37.718	2261.147	2089281.684	6022947.552	0	RS-700	0.71161842767
1560	-122.363	37.718	2319.288	2089281.120	6022948.467	0	RS-700	1.07728062893
1561	-122.363	37.718	2328.844	2089280.445	6022949.466	0	RS-700	1.13738371069
1562	-122.363	37.718	2284.698	2089279.882	6022950.294	0	RS-700	0.85973691824
1563	-122.363	37.718	2183.567	2089279.279	6022951.294	0	RS-700	0.22369037736
1564	-122.363	37.718	2252.810	2089278.672	6022952.497	0	RS-700	0.65918427673
1565	-122.363	37.718	2243.700	2089278.288	6022953.531	0	RS-700	0.60188893082
1566	-122.363	37.718	2234.245	2089277.868	6022954.478	0	RS-700	0.54241924528
1567	-122.363	37.718	2291.691	2089277.451	6022955.337	0	RS-700	0.90371867925
1568	-122.363	37.718	2230.680	2089276.849	6022956.309	0	RS-700	0.52000138365
1569	-122.363	37.718	2352.944	2089276.249	6022957.136	0	RS-700	1.28895389937
1570	-122.363	37.718	2261.696	2089275.613	6022958.020	0	RS-700	0.71506993711
1571	-122.363	37.718	2364.599	2089275.013	6022958.847	0	RS-700	1.36225729560
1572	-122.363	37.718	2313.846	2089274.339	6022959.788	0	RS-700	1.04305647799
1573	-122.363	37.718	2322.246	2089273.776	6022960.616	0	RS-700	1.09588937107
1574	-122.363	37.718	2375.205	2089273.325	6022961.330	0	RS-700	1.42896213836

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1575	-122.363	37.718	2219.662	2089272.947	6022962.017	0	RS-700	0.45070698113
1576	-122.363	37.718	2256.814	2089272.498	6022962.645	0	RS-700	0.68436301887
1577	-122.363	37.718	2313.943	2089271.898	6022963.501	0	RS-700	1.04366547170
1578	-122.363	37.718	2301.938	2089270.894	6022964.551	0	RS-700	0.96816257862
1579	-122.363	37.718	2287.361	2089269.964	6022965.516	0	RS-700	0.87648358491
1580	-122.363	37.718	2301.258	2089269.102	6022966.772	0	RS-700	0.96388698113
1581	-122.363	37.718	2330.180	2089268.422	6022967.973	0	RS-700	1.14578836478
1582	-122.363	37.718	2304.710	2089267.888	6022969.178	0	RS-700	0.98559761006
1583	-122.363	37.718	2327.939	2089267.134	6022970.494	0	RS-700	1.13169232704
1584	-122.363	37.718	2351.194	2089266.307	6022971.779	0	RS-700	1.27795012579
1585	-122.363	37.718	2404.098	2089265.519	6022972.921	0	RS-700	1.61067773585
1586	-122.363	37.718	2272.918	2089264.733	6022974.004	0	RS-700	0.78565044025
1587	-122.363	37.718	2306.183	2089263.985	6022975.002	0	RS-700	0.99485930818
1588	-122.363	37.718	2355.069	2089263.238	6022975.913	0	RS-700	1.30231874214
1589	-122.363	37.718	2300.707	2089262.413	6022977.111	0	RS-700	0.96042006289
1590	-122.363	37.718	2325.825	2089261.475	6022978.510	0	RS-700	1.11839874214
1591	-122.363	37.718	2353.723	2089260.573	6022979.881	0	RS-700	1.29385685535
1592	-122.363	37.718	2300.944	2089259.710	6022981.166	0	RS-700	0.96191201258
1593	-122.363	37.718	2292.393	2089258.848	6022982.393	0	RS-700	0.90813157233
1594	-122.363	37.718	2337.485	2089257.987	6022983.562	0	RS-700	1.19172710692
1595	-122.363	37.718	2367.320	2089257.089	6022984.759	0	RS-700	1.37936823899
1596	-122.363	37.718	2312.428	2089256.227	6022985.986	0	RS-700	1.03414081761
1597	-122.362	37.718	2310.055	2089255.442	6022987.011	0	RS-700	1.01921075472
1598	-122.362	37.718	2260.239	2089254.657	6022988.008	0	RS-700	0.70590566038
1599	-122.362	37.718	2311.399	2089254.022	6022988.835	0	RS-700	1.02766962264
1600	-122.362	37.718	2148.081	2089253.423	6022989.662	0	RS-700	0.00050742138
1601	-122.362	37.718	2217.791	2089252.859	6022990.547	0	RS-700	0.43893503145
1602	-122.362	37.718	2193.002	2089252.148	6022991.517	0	RS-700	0.28303327044
1603	-122.362	37.718	2187.002	2089251.472	6022992.545	0	RS-700	0.24529798742
1604	-122.362	37.718	2136.767	2089250.685	6022993.628	0	RS-700	-0.07064962264
1605	-122.362	37.718	2120.545	2089250.046	6022994.628	0	RS-700	-0.17267289308
1606	-122.362	37.718	2152.093	2089249.486	6022995.340	0	RS-700	0.02573993711
1607	-122.362	37.718	2239.571	2089249.149	6022995.797	0	RS-700	0.57591943396
1608	-122.362	37.718	2140.100	2089249.111	6022995.854	0	RS-700	-0.04968867925
1609	-122.362	37.718	2186.893	2089249.112	6022995.825	0	RS-700	0.24461176101
1610	-122.362	37.718	2244.691	2089249.111	6022995.854	0	RS-700	0.60811924528
1611	-122.362	37.718	2163.090	2089249.111	6022995.854	0	RS-700	0.09490465409
1612	-122.362	37.718	2193.909	2089249.076	6022995.824	0	RS-700	0.28873415094
1613	-122.362	37.718	2246.027	2089249.148	6022995.825	0	RS-700	0.61652421384
1614	-122.362	37.718	2140.088	2089249.148	6022995.854	0	RS-700	-0.04976000000
1615	-122.362	37.718	2173.996	2089249.148	6022995.854	0	RS-700	0.16349886793
1616	-122.362	37.718	2186.892	2089249.184	6022995.855	0	RS-700	0.24460459120
1617	-122.362	37.718	2230.684	2089249.184	6022995.855	0	RS-700	0.52002641509
1618	-122.362	37.718	2282.931	2089249.185	6022995.826	0	RS-700	0.84862515723
1619	-122.362	37.718	2218.786	2089249.185	6022995.826	0	RS-700	0.44519710692

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1620	-122.362	37.718	2157.878	2089249.222	6022995.798	0	RS-700	0.06212672956
1621	-122.362	37.718	2173.111	2089249.258	6022995.828	0	RS-700	0.15792962264
1622	-122.362	37.718	2187.000	2089249.258	6022995.799	0	RS-700	0.24528490566
1623	-122.362	37.718	2099.329	2089249.259	6022995.770	0	RS-700	-0.30610616352
1624	-122.362	37.718	2202.008	2089249.259	6022995.770	0	RS-700	0.33967496855
1625	-122.362	37.718	2161.530	2089249.258	6022995.799	0	RS-700	0.08509402516
1626	-122.362	37.718	2234.368	2089249.259	6022995.770	0	RS-700	0.54319534591
1627	-122.362	37.718	2202.336	2089249.259	6022995.770	0	RS-700	0.34173477987
1628	-122.362	37.718	2189.009	2089249.295	6022995.771	0	RS-700	0.25791836478
1629	-122.362	37.718	2135.193	2089249.331	6022995.771	0	RS-700	-0.08054660377
1630	-122.362	37.718	2186.673	2089249.331	6022995.771	0	RS-700	0.24322861635
1631	-122.362	37.718	2137.336	2089249.369	6022995.714	0	RS-700	-0.06707018868
1632	-122.362	37.718	2200.115	2089249.368	6022995.743	0	RS-700	0.32776918239
1633	-122.362	37.718	2160.452	2089249.368	6022995.743	0	RS-700	0.07831490566
1634	-122.362	37.718	2203.456	2089249.368	6022995.772	0	RS-700	0.34878226415
1635	-122.362	37.718	2179.669	2089249.368	6022995.772	0	RS-700	0.19917918239
1636	-122.362	37.718	2128.749	2089249.331	6022995.771	0	RS-700	-0.12107578616
1637	-122.362	37.718	2215.346	2089249.219	6022995.914	0	RS-700	0.42355660377
1638	-122.362	37.718	2226.906	2089248.921	6022996.284	0	RS-700	0.49626415094
1639	-122.362	37.718	2220.785	2089248.287	6022997.023	0	RS-700	0.45776635220
1640	-122.362	37.718	2210.011	2089247.574	6022998.051	0	RS-700	0.39000628931
1641	-122.362	37.718	2234.690	2089246.749	6022999.249	0	RS-700	0.54522012579
1642	-122.362	37.718	2198.897	2089245.774	6023000.676	0	RS-700	0.32010767296
1643	-122.362	37.718	2277.824	2089244.724	6023002.189	0	RS-700	0.81650081761
1644	-122.362	37.718	2174.321	2089243.637	6023003.729	0	RS-700	0.16553968554
1645	-122.362	37.718	2216.347	2089242.407	6023005.151	0	RS-700	0.42985811321
1646	-122.362	37.718	2237.798	2089241.208	6023006.863	0	RS-700	0.56476691824
1647	-122.362	37.718	2235.031	2089240.041	6023008.778	0	RS-700	0.54736597484
1648	-122.362	37.718	2204.678	2089238.733	6023010.459	0	RS-700	0.35646654088
1649	-122.362	37.718	2188.101	2089237.314	6023012.196	0	RS-700	0.25220918239
1650	-122.362	37.718	2190.447	2089235.822	6023013.960	0	RS-700	0.26696138365
1651	-122.362	37.718	2181.765	2089234.474	6023015.842	0	RS-700	0.21236018868
1652	-122.362	37.718	2229.129	2089233.309	6023017.642	0	RS-700	0.51024371069
1653	-122.362	37.718	2113.878	2089232.223	6023019.153	0	RS-700	-0.21460327044
1654	-122.362	37.718	2212.239	2089230.742	6023020.339	0	RS-700	0.40402018868
1655	-122.362	37.718	2240.221	2089229.436	6023021.904	0	RS-700	0.58000603774
1656	-122.362	37.718	2223.794	2089228.164	6023023.615	0	RS-700	0.47669062893
1657	-122.362	37.718	2217.905	2089227.037	6023025.328	0	RS-700	0.43965496855
1658	-122.362	37.718	2205.994	2089225.765	6023027.039	0	RS-700	0.36474220126
1659	-122.362	37.718	2263.581	2089224.421	6023028.690	0	RS-700	0.72692672956
1660	-122.362	37.718	2208.999	2089223.151	6023030.285	0	RS-700	0.38364157233
1661	-122.362	37.718	2168.871	2089222.140	6023031.711	0	RS-700	0.13126452830
1662	-122.362	37.718	2239.899	2089221.091	6023033.165	0	RS-700	0.57797861635
1663	-122.362	37.718	2211.092	2089220.079	6023034.592	0	RS-700	0.39680503145
1664	-122.362	37.718	2222.794	2089218.993	6023036.104	0	RS-700	0.47040144654

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1665	-122.362	37.718	2373.078	2089217.833	6023037.672	0	RS-700	1.41558792453
1666	-122.362	37.718	2252.366	2089216.673	6023039.240	0	RS-700	0.65638817610
1667	-122.362	37.718	2133.868	2089215.549	6023040.808	0	RS-700	-0.08887981132
1668	-122.362	37.718	2198.445	2089214.430	6023042.146	0	RS-700	0.31726440252
1669	-122.362	37.718	2156.980	2089213.202	6023043.452	0	RS-700	0.05647660377
1670	-122.362	37.718	2169.449	2089212.228	6023044.821	0	RS-700	0.13489710692
1671	-122.362	37.718	2274.584	2089211.360	6023046.337	0	RS-700	0.79612823899
1672	-122.362	37.718	2202.914	2089210.565	6023047.826	0	RS-700	0.34537125786
1673	-122.362	37.718	2198.554	2089209.814	6023048.997	0	RS-700	0.31794754717
1674	-122.362	37.718	2159.989	2089208.912	6023050.368	0	RS-700	0.07540031447
1675	-122.362	37.718	2167.995	2089208.194	6023051.713	0	RS-700	0.12575660377
1676	-122.362	37.718	2314.835	2089207.293	6023053.026	0	RS-700	1.04927874214
1677	-122.362	37.718	2264.812	2089206.396	6023054.194	0	RS-700	0.73466880503
1678	-122.362	37.718	2291.053	2089205.684	6023055.222	0	RS-700	0.89970333333
1679	-122.362	37.718	2324.060	2089204.824	6023056.333	0	RS-700	1.10729830189
1680	-122.362	37.718	2547.310	2089203.927	6023057.472	0	RS-700	2.51138100629
1681	-122.362	37.718	2432.611	2089202.880	6023058.840	0	RS-700	1.79000314465
1682	-122.362	37.718	2317.825	2089201.866	6023060.382	0	RS-700	1.06807968553
1683	-122.362	37.718	2391.572	2089201.000	6023061.811	0	RS-700	1.53189981132
1684	-122.362	37.718	2363.605	2089200.096	6023063.327	0	RS-700	1.35600754717
1685	-122.362	37.718	2318.947	2089199.085	6023064.724	0	RS-700	1.07513553459
1686	-122.362	37.718	2349.838	2089197.966	6023066.062	0	RS-700	1.26941823899
1687	-122.362	37.718	2416.986	2089196.882	6023067.429	0	RS-700	1.69173792453
1688	-122.362	37.718	2349.080	2089195.798	6023068.825	0	RS-700	1.26465691824
1689	-122.362	37.718	2383.744	2089194.750	6023070.279	0	RS-700	1.48266691824
1690	-122.362	37.718	2320.179	2089193.739	6023071.677	0	RS-700	1.08288647799
1691	-122.362	37.718	2312.948	2089192.692	6023073.045	0	RS-700	1.03740918239
1692	-122.362	37.718	2434.628	2089191.574	6023074.295	0	RS-700	1.80269088050
1693	-122.362	37.718	2363.788	2089190.563	6023075.693	0	RS-700	1.35715968553
1694	-122.362	37.718	2400.092	2089189.698	6023077.093	0	RS-700	1.58548176101
1695	-122.362	37.718	2308.827	2089188.723	6023078.462	0	RS-700	1.01149201258
1696	-122.362	37.718	2425.864	2089187.675	6023079.888	0	RS-700	1.74757477987
1697	-122.362	37.718	2378.086	2089186.372	6023081.337	0	RS-700	1.44708075472
1698	-122.362	37.718	2460.267	2089185.143	6023082.702	0	RS-700	1.96394641509
1699	-122.362	37.718	2377.491	2089184.096	6023084.041	0	RS-700	1.44334157233
1700	-122.362	37.718	2323.298	2089182.829	6023085.491	0	RS-700	1.10250025157
1701	-122.362	37.718	2382.327	2089181.665	6023087.261	0	RS-700	1.47375729560
1702	-122.362	37.718	2273.927	2089180.719	6023089.065	0	RS-700	0.79199081761
1703	-122.362	37.718	2230.464	2089179.775	6023090.724	0	RS-700	0.51864257862
1704	-122.362	37.718	2277.383	2089178.692	6023092.091	0	RS-700	0.81372962264
1705	-122.362	37.718	2295.834	2089177.684	6023093.315	0	RS-700	0.92977238994
1706	-122.362	37.718	2249.806	2089176.937	6023094.255	0	RS-700	0.64028798742
1707	-122.362	37.718	2234.918	2089176.342	6023094.880	0	RS-700	0.54665201258
1708	-122.362	37.718	2311.950	2089175.637	6023095.560	0	RS-700	1.03113496855
1709	-122.362	37.718	2372.445	2089175.077	6023096.243	0	RS-700	1.41160075472

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1710	-122.362	37.718	2306.592	2089174.665	6023096.814	0	RS-700	0.99743138365
1711	-122.362	37.718	2374.205	2089174.138	6023097.642	0	RS-700	1.42267257862
1712	-122.362	37.718	2250.241	2089173.572	6023098.643	0	RS-700	0.64302320755
1713	-122.362	37.718	2399.340	2089173.078	6023099.675	0	RS-700	1.58075238994
1714	-122.362	37.718	2403.224	2089172.441	6023100.559	0	RS-700	1.60518427673
1715	-122.362	37.718	2292.827	2089171.731	6023101.471	0	RS-700	0.91086377359
1716	-122.362	37.718	2306.518	2089170.944	6023102.583	0	RS-700	0.99696698113
1717	-122.362	37.718	2290.242	2089170.008	6023103.867	0	RS-700	0.89460459120
1718	-122.362	37.718	2294.926	2089168.922	6023105.378	0	RS-700	0.92406591195
1719	-122.362	37.718	2303.814	2089167.726	6023106.946	0	RS-700	0.97995955975
1720	-122.362	37.718	2313.293	2089166.420	6023108.482	0	RS-700	1.03957899371
1721	-122.362	37.718	2286.391	2089165.264	6023109.876	0	RS-700	0.87038452830
1722	-122.362	37.718	2294.048	2089164.218	6023111.186	0	RS-700	0.91853798742
1723	-122.362	37.718	2400.839	2089163.245	6023112.498	0	RS-700	1.59018075472
1724	-122.362	37.718	2472.505	2089162.271	6023113.867	0	RS-700	2.04091459119
1725	-122.362	37.718	2355.967	2089161.370	6023115.180	0	RS-700	1.30796779874
1726	-122.362	37.718	2283.619	2089160.657	6023116.265	0	RS-700	0.85294811321
1727	-122.362	37.718	2356.173	2089160.619	6023116.351	0	RS-700	1.30926559748
1728	-122.362	37.718	2236.358	2089161.519	6023115.038	0	RS-700	0.55571150943
1729	-122.362	37.718	2343.712	2089162.646	6023113.325	0	RS-700	1.23089603774
1730	-122.362	37.718	2318.945	2089163.538	6023112.388	0	RS-700	1.07512836478
1731	-122.362	37.718	2299.181	2089163.166	6023112.786	0	RS-700	0.95082270440
1732	-122.362	37.718	2255.362	2089162.271	6023113.838	0	RS-700	0.67523484277
1733	-122.362	37.718	2266.491	2089161.262	6023115.149	0	RS-700	0.74522943396
1734	-122.362	37.718	2345.957	2089160.435	6023116.434	0	RS-700	1.24501213836
1735	-122.362	37.718	2304.829	2089159.502	6023117.544	0	RS-700	0.98634276730
1736	-122.362	37.718	2234.352	2089158.497	6023118.652	0	RS-700	0.54309534591
1737	-122.362	37.718	2239.805	2089157.530	6023119.675	0	RS-700	0.57739018868
1738	-122.362	37.718	2208.916	2089156.667	6023120.930	0	RS-700	0.38311647799
1739	-122.362	37.718	2221.904	2089156.171	6023122.078	0	RS-700	0.46480698113
1740	-122.362	37.718	2149.344	2089155.750	6023123.111	0	RS-700	0.00845383648
1741	-122.362	37.718	2237.577	2089155.184	6023124.083	0	RS-700	0.56337427673
1742	-122.362	37.718	2247.805	2089154.621	6023124.911	0	RS-700	0.62770716981
1743	-122.362	37.718	2206.902	2089153.798	6023126.023	0	RS-700	0.37045484277
1744	-122.362	37.718	2213.028	2089152.898	6023127.336	0	RS-700	0.40898012579
1745	-122.362	37.718	2194.004	2089151.920	6023128.878	0	RS-700	0.28933100629
1746	-122.362	37.718	2269.041	2089150.796	6023130.447	0	RS-700	0.76126163522
1747	-122.362	37.718	2228.685	2089149.601	6023131.957	0	RS-700	0.50745295598
1748	-122.362	37.718	2250.584	2089148.479	6023133.439	0	RS-700	0.64518220126
1749	-122.362	37.718	2225.794	2089147.468	6023134.836	0	RS-700	0.48927169811
1750	-122.362	37.718	2218.229	2089146.313	6023136.144	0	RS-700	0.44169459120
1751	-122.362	37.718	2324.412	2089145.233	6023137.338	0	RS-700	1.10950811321
1752	-122.362	37.718	2229.573	2089144.110	6023138.849	0	RS-700	0.51304075472
1753	-122.362	37.718	2317.262	2089143.060	6023140.390	0	RS-700	1.06454018868
1754	-122.362	37.718	2271.926	2089141.977	6023141.728	0	RS-700	0.77940805031

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1755	-122.362	37.718	2349.957	2089140.786	6023143.006	0	RS-700	1.27016779874
1756	-122.362	37.718	2273.823	2089139.631	6023144.314	0	RS-700	0.79133691824
1757	-122.362	37.718	2300.825	2089138.514	6023145.565	0	RS-700	0.96116308176
1758	-122.362	37.718	2302.509	2089137.612	6023146.935	0	RS-700	0.97175264151
1759	-122.362	37.718	2311.277	2089136.784	6023148.308	0	RS-700	1.02690094340
1760	-122.362	37.718	2304.166	2089135.703	6023149.530	0	RS-700	0.98217572327
1761	-122.362	37.718	2315.597	2089134.548	6023150.838	0	RS-700	1.05407220126
1762	-122.362	37.718	2270.152	2089133.507	6023151.945	0	RS-700	0.76825069182
1763	-122.362	37.718	2305.940	2089132.465	6023153.053	0	RS-700	0.99333314465
1764	-122.362	37.718	2285.932	2089131.461	6023154.103	0	RS-700	0.86749742138
1765	-122.362	37.718	2305.702	2089130.381	6023155.297	0	RS-700	0.99183911950
1766	-122.362	37.718	2322.412	2089129.370	6023156.666	0	RS-700	1.09693012579
1767	-122.362	37.718	2228.578	2089128.392	6023158.237	0	RS-700	0.50677779874
1768	-122.362	37.718	2249.028	2089127.488	6023159.724	0	RS-700	0.63539547170
1769	-122.362	37.718	2312.173	2089126.731	6023161.184	0	RS-700	1.03253496855
1770	-122.362	37.718	2277.959	2089125.612	6023162.521	0	RS-700	0.81734981132
1771	-122.362	37.718	2235.023	2089124.453	6023164.032	0	RS-700	0.54731547170
1772	-122.362	37.718	2273.584	2089123.329	6023165.600	0	RS-700	0.78983440252
1773	-122.362	37.718	2128.225	2089122.134	6023167.081	0	RS-700	-0.12436905660
1774	-122.362	37.718	2305.599	2089120.945	6023168.273	0	RS-700	0.99118955975
1775	-122.362	37.718	2335.196	2089119.753	6023169.609	0	RS-700	1.17733094340
1776	-122.362	37.718	2262.924	2089118.671	6023170.889	0	RS-700	0.72279383648
1777	-122.362	37.718	2243.696	2089117.590	6023172.169	0	RS-700	0.60185949686
1778	-122.362	37.718	2297.590	2089116.431	6023173.679	0	RS-700	0.94081874214
1779	-122.362	37.718	2245.586	2089115.271	6023175.219	0	RS-700	0.61374628931
1780	-122.362	37.718	2275.374	2089114.257	6023176.790	0	RS-700	0.80109383648
1781	-122.362	37.718	2324.073	2089113.245	6023178.216	0	RS-700	1.10737830189
1782	-122.362	37.718	2289.821	2089112.158	6023179.757	0	RS-700	0.89195308176
1783	-122.362	37.718	2292.712	2089111.110	6023181.182	0	RS-700	0.91014050315
1784	-122.362	37.718	2244.805	2089110.208	6023182.582	0	RS-700	0.60883440252
1785	-122.362	37.718	2130.649	2089109.456	6023183.753	0	RS-700	-0.10912314465
1786	-122.362	37.718	2113.648	2089108.932	6023184.495	0	RS-700	-0.21605213837
1787	-122.362	37.718	2151.864	2089108.483	6023185.093	0	RS-700	0.02429987421
1788	-122.362	37.718	2189.658	2089107.810	6023185.948	0	RS-700	0.26200226415
1789	-122.362	37.718	2247.389	2089106.881	6023186.913	0	RS-700	0.62508792453
1790	-122.362	37.718	2194.125	2089105.839	6023188.021	0	RS-700	0.29009402516
1791	-122.362	37.718	2229.680	2089104.645	6023189.443	0	RS-700	0.51371377359
1792	-122.362	37.718	2223.907	2089103.417	6023190.779	0	RS-700	0.47740251572
1793	-122.362	37.718	2259.028	2089101.827	6023191.991	0	RS-700	0.69828861635
1794	-122.362	37.718	2190.221	2089100.743	6023193.387	0	RS-700	0.26553930818
1795	-122.362	37.718	2151.991	2089099.655	6023194.956	0	RS-700	0.02510301887
1796	-122.362	37.718	2182.010	2089098.756	6023196.240	0	RS-700	0.21389855346
1797	-122.362	37.718	2269.034	2089097.894	6023197.467	0	RS-700	0.76121836478
1798	-122.362	37.718	2253.808	2089096.958	6023198.751	0	RS-700	0.66546031447
1799	-122.362	37.718	2263.585	2089096.093	6023200.093	0	RS-700	0.72695213837

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1800	-122.362	37.718	2241.917	2089095.299	6023201.553	0	RS-700	0.59066987421
1801	-122.362	37.718	2253.921	2089094.472	6023202.867	0	RS-700	0.66617270440
1802	-122.362	37.718	2168.444	2089093.533	6023204.324	0	RS-700	0.12857660377
1803	-122.362	37.718	2276.815	2089092.519	6023205.837	0	RS-700	0.81015949686
1804	-122.362	37.718	2216.014	2089091.762	6023207.268	0	RS-700	0.42776169811
1805	-122.362	37.718	2196.231	2089090.754	6023208.521	0	RS-700	0.30333698113
1806	-122.362	37.718	2237.571	2089089.567	6023209.626	0	RS-700	0.56333943396
1807	-122.362	37.718	2222.017	2089088.240	6023210.410	0	RS-700	0.07629560117
1808	-122.362	37.718	2210.350	2089087.276	6023211.287	0	RS-700	0.04208108504
1809	-122.362	37.718	2259.034	2089086.860	6023212.031	0	RS-700	0.18484961877
1810	-122.362	37.718	2246.800	2089086.593	6023212.633	0	RS-700	0.14897337243
1811	-122.362	37.718	2420.758	2089086.477	6023213.007	0	RS-700	0.65911445748
1812	-122.362	37.718	2415.188	2089086.283	6023213.611	0	RS-700	0.64278079179
1813	-122.362	37.718	2262.921	2089086.318	6023213.640	0	RS-700	0.19624815249
1814	-122.362	37.718	2407.976	2089086.433	6023213.353	0	RS-700	0.62162912024
1815	-122.362	37.718	2452.111	2089086.084	6023214.417	0	RS-700	0.75105994135
1816	-122.362	37.718	2579.053	2089085.629	6023215.363	0	RS-700	1.12332120235
1817	-122.362	37.718	2476.777	2089084.956	6023216.217	0	RS-700	0.82339190616
1818	-122.362	37.718	2082.756	2089084.207	6023217.244	0	RS-700	-0.33209407625
1819	-122.362	37.718	1830.745	2089083.572	6023218.041	0	RS-700	-1.07112821114
1820	-122.362	37.718	1581.803	2089082.859	6023219.097	0	RS-700	-1.80116448680
1821	-122.362	37.718	1817.558	2089082.030	6023220.527	0	RS-700	-1.10980105572
1822	-122.362	37.718	2322.412	2089081.017	6023222.012	0	RS-700	0.37070906158
1823	-122.362	37.718	2700.107	2089079.959	6023223.929	0	RS-700	1.47831982405
1824	-122.362	37.718	2494.532	2089078.465	6023225.808	0	RS-700	0.87545935484
1825	-122.362	37.718	2267.497	2089076.689	6023227.191	0	RS-700	0.20966956012
1826	-122.362	37.718	2275.587	2089075.739	6023227.374	0	RS-700	0.80243320755
1827	-122.362	37.717	2183.790	2089075.152	6023227.594	0	RS-700	0.22509194969
1828	-122.362	37.717	2213.327	2089074.219	6023228.704	0	RS-700	0.41086320755
1829	-122.362	37.717	2236.352	2089073.531	6023230.310	0	RS-700	0.55567553459
1830	-122.362	37.717	2214.567	2089072.771	6023231.915	0	RS-700	0.41865779874
1831	-122.362	37.717	2232.578	2089072.129	6023233.060	0	RS-700	0.53193987421
1832	-122.362	37.717	2155.990	2089071.828	6023233.545	0	RS-700	0.05025094340
1833	-122.362	37.717	2284.817	2089071.867	6023233.431	0	RS-700	0.86048345912
1834	-122.362	37.717	2175.155	2089071.978	6023233.346	0	RS-700	0.17078729560
1835	-122.362	37.717	2280.176	2089071.977	6023233.375	0	RS-700	0.83129283019
1836	-122.362	37.717	2229.798	2089071.942	6023233.345	0	RS-700	0.51445081761
1837	-122.362	37.717	2221.582	2089071.942	6023233.316	0	RS-700	0.46278012579
1838	-122.362	37.717	2207.895	2089072.242	6023232.888	0	RS-700	0.37670012579
1839	-122.362	37.717	2185.888	2089072.841	6023232.090	0	RS-700	0.23828773585
1840	-122.362	37.717	2277.176	2089072.953	6023231.919	0	RS-700	0.81242647799
1841	-122.362	37.717	2245.692	2089072.576	6023232.548	0	RS-700	0.61441371069
1842	-122.362	37.717	2143.407	2089071.679	6023233.745	0	RS-700	-0.02888503145
1843	-122.362	37.717	2243.134	2089070.456	6023234.791	0	RS-700	0.59832823899
1844	-122.362	37.717	2186.202	2089069.085	6023235.950	0	RS-700	0.24026283019



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1845	-122.362	37.717	2237.778	2089067.933	6023237.113	0	RS-700	0.56464377359
1846	-122.362	37.717	2100.645	2089066.816	6023238.364	0	RS-700	-0.29782805031
1847	-122.362	37.717	2185.452	2089065.731	6023239.789	0	RS-700	0.23554987421
1848	-122.362	37.717	2302.061	2089064.467	6023241.094	0	RS-700	0.96893987421
1849	-122.362	37.717	2138.871	2089063.238	6023242.459	0	RS-700	-0.05741603774
1850	-122.362	37.717	2119.762	2089062.226	6023243.914	0	RS-700	-0.17760062893
1851	-122.362	37.717	2177.215	2089061.142	6023245.310	0	RS-700	0.18374088050
1852	-122.362	37.717	2087.433	2089060.097	6023246.591	0	RS-700	-0.38092452830
1853	-122.362	37.717	2148.104	2089058.759	6023247.924	0	RS-700	0.00065679245
1854	-122.362	37.717	2131.768	2089057.456	6023249.374	0	RS-700	-0.10208748428
1855	-122.362	37.717	2131.759	2089056.404	6023251.002	0	RS-700	-0.10214572327
1856	-122.362	37.717	2067.429	2089055.390	6023252.544	0	RS-700	-0.50673893082
1857	-122.362	37.717	1692.566	2089054.341	6023253.969	0	RS-700	-2.86436188679
1858	-122.362	37.717	1380.491	2089053.405	6023255.282	0	RS-700	-4.82710050314
1859	-122.362	37.717	1269.457	2089052.469	6023256.565	0	RS-700	-5.52542647799
1860	-122.362	37.717	1333.436	2089051.536	6023257.675	0	RS-700	-5.12304245283
1861	-122.362	37.717	1538.403	2089050.496	6023258.695	0	RS-700	-3.83394245283
1862	-122.362	37.717	1857.116	2089049.201	6023259.740	0	RS-700	-1.82945723270
1863	-122.362	37.717	2012.721	2089048.048	6023260.932	0	RS-700	-0.85081125786
1864	-122.362	37.717	2180.676	2089046.966	6023262.241	0	RS-700	0.20550918239
1865	-122.362	37.717	2201.895	2089046.101	6023263.613	0	RS-700	0.33895918239
1866	-122.362	37.717	2131.871	2089045.532	6023264.730	0	RS-700	-0.10144333333
1867	-122.362	37.717	2125.168	2089044.670	6023265.986	0	RS-700	-0.14359798742
1868	-122.362	37.717	2213.794	2089043.920	6023267.041	0	RS-700	0.41380119497
1869	-122.362	37.717	2227.128	2089043.062	6023268.066	0	RS-700	0.49765874214
1870	-122.362	37.717	2166.870	2089041.951	6023269.027	0	RS-700	0.11867729560
1871	-122.362	37.717	2123.870	2089041.138	6023269.618	0	RS-700	-0.15176339623
1872	-122.362	37.717	2199.102	2089040.357	6023270.413	0	RS-700	0.32139616352
1873	-122.362	37.717	2058.843	2089039.832	6023271.184	0	RS-700	-0.56073710692
1874	-122.362	37.717	2149.877	2089039.644	6023271.498	0	RS-700	0.01180396226
1875	-122.361	37.717	2158.989	2089039.495	6023271.669	0	RS-700	0.06911591195
1876	-122.361	37.717	2117.080	2089038.819	6023272.668	0	RS-700	-0.19446654088
1877	-122.361	37.717	2087.524	2089038.252	6023273.727	0	RS-700	-0.38034937107
1878	-122.361	37.717	2180.102	2089037.538	6023274.841	0	RS-700	0.20189666667
1879	-122.361	37.717	2161.989	2089036.715	6023275.924	0	RS-700	0.08798364780
1880	-122.361	37.717	2096.700	2089035.778	6023277.236	0	RS-700	-0.32264000000
1881	-122.361	37.717	2142.654	2089034.911	6023278.723	0	RS-700	-0.03362540881
1882	-122.361	37.717	2131.763	2089034.183	6023280.560	0	RS-700	-0.10211987421
1883	-122.361	37.717	2028.827	2089033.527	6023282.370	0	RS-700	-0.74951811321
1884	-122.361	37.717	2102.542	2089032.584	6023284.029	0	RS-700	-0.28589880503
1885	-122.361	37.717	2043.039	2089031.459	6023285.656	0	RS-700	-0.66013465409
1886	-122.361	37.717	2047.932	2089030.483	6023287.141	0	RS-700	-0.62935893082
1887	-122.361	37.717	2129.756	2089029.730	6023288.341	0	RS-700	-0.11474433962
1888	-122.361	37.717	2102.652	2089026.699	6023290.624	0	RS-700	-0.28520729560
1889	-122.361	37.717	2152.873	2089025.356	6023292.188	0	RS-700	0.03064830189

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1890	-122.361	37.717	2121.967	2089024.088	6023293.725	0	RS-700	-0.16373207547
1891	-122.361	37.717	2024.523	2089023.072	6023295.325	0	RS-700	-0.77658320755
1892	-122.361	37.717	2125.660	2089021.874	6023296.979	0	RS-700	-0.14050295598
1893	-122.361	37.717	2087.539	2089020.639	6023298.633	0	RS-700	-0.38025528302
1894	-122.361	37.717	2135.777	2089021.276	6023299.600	0	RS-700	-0.07687264151
1895	-122.361	37.717	2061.538	2089018.242	6023301.970	0	RS-700	-0.54378484277
1896	-122.361	37.717	2139.443	2089018.920	6023302.707	0	RS-700	-0.05381773585
1897	-122.361	37.717	2108.647	2089017.799	6023304.131	0	RS-700	-0.24750496855
1898	-122.361	37.717	2086.083	2089016.788	6023305.528	0	RS-700	-0.38941647799
1899	-122.361	37.717	2102.428	2089015.775	6023307.013	0	RS-700	-0.28661666667
1900	-122.361	37.717	2084.064	2089014.650	6023308.639	0	RS-700	-0.40211132076
1901	-122.361	37.717	2065.738	2089013.378	6023310.321	0	RS-700	-0.51737031447
1902	-122.361	37.717	2071.845	2089012.035	6023311.943	0	RS-700	-0.47896295598
1903	-122.361	37.717	2147.979	2089010.802	6023313.510	0	RS-700	-0.00013125786
1904	-122.361	37.717	2149.552	2089009.716	6023314.993	0	RS-700	0.00976075472
1905	-122.361	37.717	2193.556	2089008.703	6023316.477	0	RS-700	0.28651547170
1906	-122.361	37.717	2099.962	2089007.541	6023318.132	0	RS-700	-0.30212421384
1907	-122.361	37.717	2166.666	2089006.270	6023319.813	0	RS-700	0.11739484277
1908	-122.361	37.717	2181.786	2089004.962	6023321.494	0	RS-700	0.21248968554
1909	-122.361	37.717	2258.809	2089003.727	6023323.147	0	RS-700	0.69691415094
1910	-122.361	37.717	2202.131	2089002.492	6023324.830	0	RS-700	0.34044666667
1911	-122.361	37.717	2242.024	2089001.182	6023326.569	0	RS-700	0.59134509434
1912	-122.361	37.717	2092.856	2088999.947	6023328.251	0	RS-700	-0.34681955975
1913	-122.361	37.717	2127.653	2088998.673	6023330.048	0	RS-700	-0.12797056604
1914	-122.361	37.717	2219.009	2088997.400	6023331.788	0	RS-700	0.44659874214
1915	-122.361	37.717	2145.980	2088995.948	6023333.408	0	RS-700	-0.01270679245
1916	-122.361	37.717	2133.556	2088994.676	6023335.089	0	RS-700	-0.09083981132
1917	-122.361	37.717	2263.914	2088993.404	6023336.771	0	RS-700	0.72901918239
1918	-122.361	37.717	2286.161	2088992.134	6023338.395	0	RS-700	0.86893817610
1919	-122.361	37.717	2179.879	2088990.899	6023340.048	0	RS-700	0.20049666667
1920	-122.361	37.717	2235.574	2088989.627	6023341.730	0	RS-700	0.55078201258
1921	-122.361	37.717	2156.989	2088988.430	6023343.355	0	RS-700	0.05653308176
1922	-122.361	37.717	2171.667	2088987.232	6023344.980	0	RS-700	0.14885094340
1923	-122.361	37.717	2182.883	2088986.003	6023346.344	0	RS-700	0.21938918239
1924	-122.361	37.717	2222.796	2088984.517	6023347.819	0	RS-700	0.47041220126
1925	-122.361	37.717	2067.742	2088983.289	6023349.096	0	RS-700	-0.50476861635
1926	-122.361	37.717	2184.222	2088980.262	6023351.148	0	RS-700	0.22780823899
1927	-122.361	37.717	2144.089	2088979.067	6023352.658	0	RS-700	-0.02459880503
1928	-122.361	37.717	2231.463	2088979.415	6023353.475	0	RS-700	0.52492691824
1929	-122.361	37.717	2118.860	2088978.253	6023355.130	0	RS-700	-0.18326905660
1930	-122.361	37.717	2128.881	2088977.168	6023356.554	0	RS-700	-0.12024679245
1931	-122.361	37.717	2107.176	2088975.829	6023358.003	0	RS-700	-0.25675182390
1932	-122.361	37.717	2100.056	2088974.704	6023359.601	0	RS-700	-0.30153704403
1933	-122.361	37.717	2212.820	2088971.676	6023361.711	0	RS-700	0.40767534591
1934	-122.361	37.717	2208.678	2088970.374	6023363.102	0	RS-700	0.38162062893

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1935	-122.361	37.717	2227.246	2088969.216	6023364.526	0	RS-700	0.49840081761
1936	-122.361	37.717	2265.735	2088968.058	6023365.978	0	RS-700	0.74046911950
1937	-122.361	37.717	2213.457	2088968.702	6023366.570	0	RS-700	0.41167924528
1938	-122.361	37.717	2235.805	2088967.542	6023368.138	0	RS-700	0.55223415094
1939	-122.361	37.717	2187.879	2088966.382	6023369.677	0	RS-700	0.25081226415
1940	-122.361	37.717	2215.570	2088965.298	6023371.102	0	RS-700	0.42497119497
1941	-122.361	37.717	2249.809	2088964.067	6023372.553	0	RS-700	0.64030672956
1942	-122.361	37.717	2181.234	2088962.764	6023373.973	0	RS-700	0.20901660377
1943	-122.361	37.717	2122.877	2088961.351	6023375.450	0	RS-700	-0.15800937107
1944	-122.361	37.717	2073.076	2088960.050	6023376.783	0	RS-700	-0.47122163522
1945	-122.361	37.717	2138.548	2088958.635	6023378.318	0	RS-700	-0.05944559748
1946	-122.361	37.717	2176.888	2088957.660	6023379.745	0	RS-700	0.18168427673
1947	-122.361	37.717	2165.667	2088956.646	6023381.316	0	RS-700	0.11111540881
1948	-122.361	37.717	2125.979	2088955.633	6023382.800	0	RS-700	-0.13849924528
1949	-122.361	37.717	2156.309	2088952.308	6023385.164	0	RS-700	0.05225584906
1950	-122.361	37.717	2176.544	2088951.002	6023386.729	0	RS-700	0.17951905660
1951	-122.361	37.717	2153.448	2088949.771	6023388.209	0	RS-700	0.03426207547
1952	-122.361	37.717	2175.226	2088948.433	6023389.542	0	RS-700	0.17123352201
1953	-122.361	37.717	2239.368	2088947.238	6023391.052	0	RS-700	0.57464314465
1954	-122.361	37.717	2068.167	2088946.151	6023392.592	0	RS-700	-0.50209729560
1955	-122.361	37.717	2178.643	2088944.919	6023394.101	0	RS-700	0.19272427673
1956	-122.361	37.717	1806.643	2088945.559	6023394.895	0	RS-700	-2.14689886792
1957	-122.361	37.717	1472.765	2088944.435	6023396.464	0	RS-700	-4.24675968553
1958	-122.361	37.717	1316.205	2088943.643	6023397.837	0	RS-700	-5.23141333333
1959	-122.361	37.717	1345.492	2088942.820	6023398.949	0	RS-700	-5.04721716981
1960	-122.361	37.717	1321.473	2088942.184	6023399.804	0	RS-700	-5.19828446541
1961	-122.361	37.717	1443.379	2088941.440	6023400.570	0	RS-700	-4.43157597484
1962	-122.361	37.717	1947.610	2088940.581	6023401.652	0	RS-700	-1.26031679245
1963	-122.361	37.717	2128.867	2088939.426	6023402.960	0	RS-700	-0.12033377359
1964	-122.361	37.717	2263.036	2088938.308	6023404.211	0	RS-700	0.72349968554
1965	-122.361	37.717	2302.164	2088935.385	6023406.525	0	RS-700	0.96958754717
1966	-122.361	37.717	2179.997	2088936.171	6023407.322	0	RS-700	0.20124069182
1967	-122.361	37.717	2160.099	2088935.083	6023408.920	0	RS-700	0.07609465409
1968	-122.361	37.717	2210.354	2088933.815	6023410.400	0	RS-700	0.39216245283
1969	-122.361	37.717	2251.477	2088930.639	6023412.622	0	RS-700	0.65080018868
1970	-122.361	37.717	2241.482	2088929.559	6023413.815	0	RS-700	0.58793591195
1971	-122.361	37.717	2119.481	2088930.496	6023414.326	0	RS-700	-0.17936578616
1972	-122.361	37.717	2201.898	2088929.556	6023415.783	0	RS-700	0.33897949686
1973	-122.361	37.717	2295.280	2088928.398	6023417.264	0	RS-700	0.92629119497
1974	-122.361	37.717	2249.797	2088927.241	6023418.659	0	RS-700	0.64023371069
1975	-122.361	37.717	2265.049	2088924.134	6023421.056	0	RS-700	0.73615949686
1976	-122.361	37.717	2327.299	2088922.790	6023422.736	0	RS-700	1.12766761006
1977	-122.361	37.717	2256.032	2088923.097	6023423.755	0	RS-700	0.67944672956
1978	-122.361	37.717	2279.820	2088921.538	6023425.257	0	RS-700	0.82905553459
1979	-122.361	37.717	2181.246	2088920.266	6023426.939	0	RS-700	0.20909704403

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1980	-122.361	37.717	2154.101	2088919.217	6023428.422	0	RS-700	0.03837044025
1981	-122.361	37.717	2182.326	2088917.984	6023429.960	0	RS-700	0.21588899371
1982	-122.361	37.717	2249.152	2088916.825	6023431.499	0	RS-700	0.63617314465
1983	-122.361	37.717	2301.706	2088915.484	6023432.977	0	RS-700	0.96670691824
1984	-122.361	37.717	2165.771	2088914.289	6023434.486	0	RS-700	0.11176779874
1985	-122.361	37.717	2309.943	2088913.131	6023435.939	0	RS-700	1.01851025157
1986	-122.361	37.717	2272.808	2088912.121	6023437.307	0	RS-700	0.78495440252
1987	-122.361	37.717	2168.774	2088911.220	6023438.649	0	RS-700	0.13065358491
1988	-122.361	37.717	2240.136	2088910.135	6023440.074	0	RS-700	0.57947352201
1989	-122.361	37.717	2180.452	2088908.942	6023441.497	0	RS-700	0.20410169811
1990	-122.361	37.717	2219.793	2088907.821	6023442.921	0	RS-700	0.45152786164
1991	-122.361	37.717	2226.015	2088906.771	6023444.433	0	RS-700	0.49065735849
1992	-122.361	37.717	2195.903	2088905.687	6023445.830	0	RS-700	0.30127861635
1993	-122.361	37.717	2303.482	2088904.455	6023447.367	0	RS-700	0.97787477987
1994	-122.361	37.717	2224.683	2088903.259	6023448.877	0	RS-700	0.48228358491
1995	-122.361	37.717	2274.581	2088901.920	6023450.268	0	RS-700	0.79610396226
1996	-122.361	37.717	2195.094	2088900.799	6023451.692	0	RS-700	0.29619018868
1997	-122.361	37.717	2209.208	2088899.570	6023453.085	0	RS-700	0.38495509434
1998	-122.361	37.717	2188.792	2088898.595	6023454.483	0	RS-700	0.25655578616
1999	-122.361	37.717	2296.591	2088897.731	6023455.826	0	RS-700	0.93453358491
2000	-122.361	37.717	2219.015	2088896.831	6023457.139	0	RS-700	0.44663805031
2001	-122.361	37.717	2125.541	2088895.930	6023458.481	0	RS-700	-0.14125012579
2002	-122.361	37.717	2166.975	2088895.214	6023459.710	0	RS-700	0.11933723270
2003	-122.361	37.717	2202.146	2088894.349	6023461.053	0	RS-700	0.34053786164
2004	-122.361	37.717	2188.342	2088893.376	6023462.364	0	RS-700	0.25372194969
2005	-122.361	37.717	2156.557	2088890.568	6023464.391	0	RS-700	0.05381578616
2006	-122.361	37.717	2208.343	2088889.450	6023465.700	0	RS-700	0.37951339623
2007	-122.361	37.717	2151.445	2088890.204	6023466.236	0	RS-700	0.02166729560
2008	-122.361	37.717	2119.655	2088889.191	6023467.691	0	RS-700	-0.17827339623
2009	-122.361	37.717	2190.563	2088888.179	6023469.175	0	RS-700	0.26769132076
2010	-122.361	37.717	2136.765	2088887.094	6023470.629	0	RS-700	-0.07065918239
2011	-122.361	37.717	2263.920	2088886.010	6023472.025	0	RS-700	0.72905723270
2012	-122.361	37.717	2224.681	2088883.200	6023474.110	0	RS-700	0.48227088050
2013	-122.361	37.717	2332.425	2088882.154	6023475.449	0	RS-700	1.15990433962
2014	-122.361	37.717	2206.135	2088881.071	6023476.816	0	RS-700	0.36563119497
2015	-122.361	37.717	2214.788	2088879.952	6023478.125	0	RS-700	0.42005169811
2016	-122.361	37.717	2178.318	2088878.869	6023479.463	0	RS-700	0.19067981132
2017	-122.361	37.717	2141.664	2088879.588	6023479.940	0	RS-700	-0.03984880503
2018	-122.361	37.717	2246.264	2088876.814	6023482.084	0	RS-700	0.61801320755
2019	-122.361	37.717	2218.463	2088875.991	6023483.196	0	RS-700	0.44316062893
2020	-122.361	37.717	2143.554	2088876.672	6023483.759	0	RS-700	-0.02796150943
2021	-122.361	37.717	2163.207	2088875.807	6023485.130	0	RS-700	0.09564088050
2022	-122.361	37.717	2167.432	2088874.939	6023486.646	0	RS-700	0.12221157233
2023	-122.361	37.717	2215.791	2088873.890	6023488.101	0	RS-700	0.42635672956
2024	-122.361	37.717	2279.817	2088872.917	6023489.412	0	RS-700	0.82903553459

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2025	-122.361	37.717	2109.648	2088870.107	6023491.526	0	RS-700	-0.24120937107
2026	-122.361	37.717	2159.203	2088869.025	6023492.865	0	RS-700	0.07045955975
2027	-122.361	37.717	2185.001	2088867.760	6023494.199	0	RS-700	0.23271176101
2028	-122.361	37.717	2155.773	2088866.571	6023495.391	0	RS-700	0.04888377358
2029	-122.361	37.717	2087.167	2088865.456	6023496.526	0	RS-700	-0.38259572327
2030	-122.361	37.717	2147.192	2088864.561	6023497.578	0	RS-700	-0.00508044025
2031	-122.361	37.717	2158.557	2088864.695	6023498.131	0	RS-700	0.06639899371
2032	-122.361	37.717	2100.541	2088864.171	6023498.872	0	RS-700	-0.29848333333
2033	-122.361	37.717	2111.178	2088863.755	6023499.616	0	RS-700	-0.23158742138
2034	-122.361	37.717	2147.082	2088863.640	6023499.903	0	RS-700	-0.00577647799
2035	-122.361	37.717	2171.448	2088864.052	6023499.333	0	RS-700	0.14747383648
2036	-122.361	37.717	2068.641	2088864.545	6023498.359	0	RS-700	-0.49911327044
2037	-122.361	37.717	2189.781	2088864.506	6023498.474	0	RS-700	0.26277188679
2038	-122.361	37.717	2110.966	2088864.020	6023499.101	0	RS-700	-0.23291515723
2039	-122.361	37.717	2014.121	2088863.492	6023500.016	0	RS-700	-0.84200886793
2040	-122.361	37.717	2161.885	2088863.447	6023500.478	0	RS-700	0.08732811321
2041	-122.361	37.717	2153.108	2088863.459	6023499.842	0	RS-700	0.03212867925
2042	-122.361	37.717	2122.657	2088863.531	6023498.079	0	RS-700	-0.15938773585
2043	-122.361	37.717	2146.192	2088863.675	6023496.346	0	RS-700	-0.01137138365
2044	-122.361	37.717	2161.010	2088863.634	6023496.576	0	RS-700	0.08182232704
2045	-122.361	37.717	2064.533	2088863.433	6023497.498	0	RS-700	-0.52494905660
2046	-122.361	37.717	2119.648	2088863.549	6023498.976	0	RS-700	-0.17831226415
2047	-122.361	37.717	2106.753	2088864.070	6023500.259	0	RS-700	-0.25941459120
2048	-122.361	37.717	2130.435	2088864.994	6023501.406	0	RS-700	-0.11047421384
2049	-122.361	37.717	2040.642	2088866.069	6023502.295	0	RS-700	-0.67520710692
2050	-122.361	37.717	2105.230	2088866.965	6023503.036	0	RS-700	-0.26899383648
2051	-122.361	37.717	2069.222	2088867.568	6023503.829	0	RS-700	-0.49546194969
2052	-122.361	37.717	2093.339	2088868.068	6023504.331	0	RS-700	-0.34377955975
2053	-122.361	37.717	2094.372	2088867.093	6023503.935	0	RS-700	-0.33728144654
2054	-122.361	37.717	1847.803	2088865.823	6023503.679	0	RS-700	-1.88802842767
2055	-122.361	37.717	1755.628	2088864.364	6023503.794	0	RS-700	-2.46774679245
2056	-122.361	37.717	1886.710	2088863.962	6023503.873	0	RS-700	-1.64333547170
2057	-122.361	37.717	1931.084	2088864.874	6023503.805	0	RS-700	-1.36424974843
2058	-122.361	37.717	2032.830	2088865.746	6023503.909	0	RS-700	-0.72433691824
2059	-122.361	37.717	2167.773	2088866.658	6023503.811	0	RS-700	0.12435735849
2060	-122.361	37.717	2185.434	2088867.757	6023503.486	0	RS-700	0.23543647799
2061	-122.361	37.717	2086.329	2088867.424	6023503.740	0	RS-700	-0.38787088050
2062	-122.361	37.717	1708.183	2088866.458	6023504.733	0	RS-700	-2.76614176101
2063	-122.361	37.717	1949.788	2088865.592	6023506.162	0	RS-700	-1.24661767296
2064	-122.361	37.717	1694.717	2088865.518	6023506.219	0	RS-700	-2.85083817610
2065	-122.361	37.717	1850.459	2088866.300	6023505.337	0	RS-700	-1.87132591195
2066	-122.361	37.717	2037.211	2088866.750	6023504.710	0	RS-700	-0.69678716981
2067	-122.361	37.717	2125.853	2088867.201	6023503.995	0	RS-700	-0.13929069182
2068	-122.361	37.717	2180.136	2088867.550	6023502.903	0	RS-700	0.20211062893
2069	-122.361	37.717	2200.792	2088867.718	6023501.778	0	RS-700	0.33202396226

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2070	-122.361	37.717	2044.631	2088867.816	6023500.507	0	RS-700	-0.65011761006
2071	-122.361	37.717	2126.439	2088868.029	6023498.978	0	RS-700	-0.13560213837
2072	-122.361	37.717	2143.763	2088868.167	6023497.534	0	RS-700	-0.02664603774
2073	-122.361	37.717	2301.050	2088868.266	6023496.234	0	RS-700	0.96257993711
2074	-122.361	37.717	2132.550	2088868.539	6023495.314	0	RS-700	-0.09716924528
2075	-122.361	37.717	2125.822	2088868.199	6023495.915	0	RS-700	-0.13948201258
2076	-122.361	37.717	2210.231	2088867.227	6023497.197	0	RS-700	0.39139000000
2077	-122.361	37.717	2101.755	2088865.930	6023498.300	0	RS-700	-0.29084635220
2078	-122.361	37.717	2092.063	2088864.998	6023499.381	0	RS-700	-0.35180238994
2079	-122.361	37.717	2149.306	2088864.511	6023500.094	0	RS-700	0.00821081761
2080	-122.361	37.717	2098.962	2088864.137	6023500.550	0	RS-700	-0.30841522013
2081	-122.361	37.717	2206.895	2088864.249	6023500.436	0	RS-700	0.37040773585
2082	-122.361	37.717	2141.660	2088864.249	6023500.407	0	RS-700	-0.03987283019
2083	-122.361	37.717	2203.111	2088864.623	6023499.952	0	RS-700	0.34660742138
2084	-122.361	37.717	2096.645	2088865.330	6023499.185	0	RS-700	-0.32298452830
2085	-122.361	37.717	2149.763	2088866.153	6023498.102	0	RS-700	0.01108679245
2086	-122.361	37.717	2175.669	2088866.868	6023496.901	0	RS-700	0.17402138365
2087	-122.361	37.717	2215.683	2088867.655	6023495.788	0	RS-700	0.42567880503
2088	-122.361	37.717	2195.782	2088868.516	6023494.648	0	RS-700	0.30051817610
2089	-122.361	37.717	2304.169	2088869.485	6023493.539	0	RS-700	0.98219188679
2090	-122.361	37.717	2209.568	2088870.526	6023492.432	0	RS-700	0.38722169811
2091	-122.361	37.717	2243.579	2088871.537	6023491.063	0	RS-700	0.60112874214
2092	-122.361	37.717	2110.861	2088872.438	6023489.692	0	RS-700	-0.23357874214
2093	-122.361	37.717	2159.773	2088873.375	6023488.380	0	RS-700	0.07404691824
2094	-122.361	37.717	2188.676	2088874.491	6023487.216	0	RS-700	0.25582528302
2095	-122.361	37.717	2246.961	2088875.643	6023486.053	0	RS-700	0.62239716981
2096	-122.361	37.717	2221.795	2088876.578	6023484.799	0	RS-700	0.46412150943
2097	-122.361	37.717	2199.555	2088877.401	6023483.687	0	RS-700	0.32424610063
2098	-122.361	37.717	2221.904	2088878.227	6023482.459	0	RS-700	0.46480226415
2099	-122.361	37.717	2228.136	2088879.052	6023481.260	0	RS-700	0.50399786164
2100	-122.361	37.717	2209.571	2088880.135	6023479.922	0	RS-700	0.38724018868
2101	-122.361	37.717	2368.706	2088881.290	6023478.585	0	RS-700	1.38808918239
2102	-122.361	37.717	2269.383	2088882.263	6023477.303	0	RS-700	0.76341490566
2103	-122.361	37.717	2287.932	2088883.310	6023475.935	0	RS-700	0.88007477987
2104	-122.361	37.717	2183.220	2088884.358	6023474.509	0	RS-700	0.22150754717
2105	-122.361	37.717	2220.358	2088885.481	6023472.969	0	RS-700	0.45508232704
2106	-122.361	37.717	2245.916	2088886.678	6023471.373	0	RS-700	0.61582408805
2107	-122.361	37.717	2261.923	2088887.876	6023469.748	0	RS-700	0.71649446541
2108	-122.361	37.717	2238.798	2088888.960	6023468.323	0	RS-700	0.57105635220
2109	-122.361	37.717	2132.338	2088890.115	6023467.015	0	RS-700	-0.09850113208
2110	-122.361	37.717	2090.586	2088891.199	6023465.648	0	RS-700	-0.36109484277
2111	-122.361	37.717	2238.590	2088892.250	6023464.078	0	RS-700	0.56974823899
2112	-122.361	37.717	2096.369	2088893.301	6023462.479	0	RS-700	-0.32472320755
2113	-122.361	37.717	2093.632	2088894.241	6023461.022	0	RS-700	-0.34193415094
2114	-122.361	37.717	2189.893	2088895.215	6023459.624	0	RS-700	0.26347792453

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2115	-122.361	37.717	2146.768	2088896.404	6023458.432	0	RS-700	-0.00774987421
2116	-122.361	37.717	2228.269	2088897.413	6023457.150	0	RS-700	0.50483855346
2117	-122.361	37.717	2106.743	2088898.420	6023455.984	0	RS-700	-0.25947572327
2118	-122.361	37.717	2239.002	2088899.281	6023454.815	0	RS-700	0.57233930818
2119	-122.361	37.717	2242.255	2088900.285	6023453.736	0	RS-700	0.59279849057
2120	-122.361	37.717	2204.462	2088901.403	6023452.485	0	RS-700	0.35511000000
2121	-122.361	37.717	2231.686	2088902.558	6023451.148	0	RS-700	0.52632849057
2122	-122.361	37.717	2200.227	2088903.861	6023449.728	0	RS-700	0.32847012579
2123	-122.361	37.717	2231.246	2088904.836	6023448.330	0	RS-700	0.52356176101
2124	-122.361	37.717	2317.767	2088905.776	6023446.844	0	RS-700	1.06771849057
2125	-122.361	37.717	2211.340	2088906.715	6023445.416	0	RS-700	0.39836754717
2126	-122.361	37.717	2196.229	2088907.728	6023443.903	0	RS-700	0.30332597484
2127	-122.361	37.717	2147.877	2088908.742	6023442.390	0	RS-700	-0.00077327044
2128	-122.361	37.717	2242.696	2088909.719	6023440.847	0	RS-700	0.59557006289
2129	-122.361	37.717	2259.029	2088910.658	6023439.448	0	RS-700	0.69829270440
2130	-122.361	37.717	2164.125	2088911.666	6023438.166	0	RS-700	0.10141635220
2131	-122.361	37.717	2229.019	2088912.783	6023436.973	0	RS-700	0.50955578616
2132	-122.361	37.717	2197.906	2088913.905	6023435.491	0	RS-700	0.31387169811
2133	-122.361	37.717	2220.221	2088915.030	6023433.836	0	RS-700	0.45421880503
2134	-122.361	37.717	2174.886	2088916.264	6023432.240	0	RS-700	0.16909496855
2135	-122.361	37.717	2126.078	2088917.644	6023430.618	0	RS-700	-0.13787226415
2136	-122.361	37.717	2163.306	2088918.768	6023428.992	0	RS-700	0.09626465409
2137	-122.361	37.717	2241.811	2088920.039	6023427.368	0	RS-700	0.59000465409
2138	-122.361	37.717	2258.587	2088921.380	6023425.861	0	RS-700	0.69551616352
2139	-122.361	37.717	2303.712	2088922.722	6023424.297	0	RS-700	0.97931962264
2140	-122.361	37.717	2267.926	2088924.134	6023422.878	0	RS-700	0.75425132076
2141	-122.361	37.717	2218.795	2088925.331	6023421.311	0	RS-700	0.44525427673
2142	-122.361	37.717	2292.825	2088926.601	6023419.716	0	RS-700	0.91084930818
2143	-122.361	37.717	2295.150	2088927.758	6023418.322	0	RS-700	0.92547415094
2144	-122.361	37.717	2098.752	2088928.843	6023416.868	0	RS-700	-0.30973691824
2145	-122.361	37.717	2155.309	2088930.001	6023415.415	0	RS-700	0.04597144654
2146	-122.361	37.717	2248.799	2088931.049	6023413.990	0	RS-700	0.63395886793
2147	-122.361	37.717	2168.557	2088932.244	6023412.480	0	RS-700	0.12929069182
2148	-122.361	37.717	2302.809	2088933.364	6023411.085	0	RS-700	0.97364000000
2149	-122.361	37.717	2161.855	2088934.525	6023409.517	0	RS-700	0.08713591195
2150	-122.361	37.717	2175.338	2088935.718	6023408.123	0	RS-700	0.17193798742
2151	-122.361	37.717	2223.683	2088937.164	6023406.821	0	RS-700	0.47599459120
2152	-122.361	37.717	2181.673	2088938.468	6023405.342	0	RS-700	0.21178088050
2153	-122.361	37.717	1923.310	2088939.698	6023403.920	0	RS-700	-1.41314289308
2154	-122.361	37.717	1437.522	2088940.779	6023402.698	0	RS-700	-4.46841433962
2155	-122.361	37.717	1244.259	2088941.749	6023401.531	0	RS-700	-5.68390660377
2156	-122.361	37.717	1260.461	2088942.381	6023400.878	0	RS-700	-5.58200817610
2157	-122.361	37.717	1269.328	2088943.017	6023400.023	0	RS-700	-5.52623874214
2158	-122.361	37.717	1501.474	2088943.912	6023398.941	0	RS-700	-4.06620433962
2159	-122.361	37.717	1960.703	2088945.033	6023397.517	0	RS-700	-1.17797050314

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2160	-122.361	37.717	2219.460	2088946.303	6023395.951	0	RS-700	0.44943182390
2161	-122.361	37.717	2253.919	2088947.718	6023394.388	0	RS-700	0.66615597484
2162	-122.361	37.717	2226.576	2088949.207	6023392.740	0	RS-700	0.49419062893
2163	-122.361	37.717	2192.668	2088950.589	6023391.003	0	RS-700	0.28093169811
2164	-122.361	37.717	2095.543	2088951.899	6023389.235	0	RS-700	-0.32991578616
2165	-122.361	37.717	2181.439	2088953.247	6023387.381	0	RS-700	0.21031006289
2166	-122.361	37.717	2159.305	2088954.595	6023385.557	0	RS-700	0.07110000000
2167	-122.361	37.717	2185.561	2088955.904	6023383.789	0	RS-700	0.23623289308
2168	-122.361	37.717	2101.647	2088956.995	6023382.075	0	RS-700	-0.29152792453
2169	-122.361	37.717	2122.653	2088958.080	6023380.592	0	RS-700	-0.15941257862
2170	-122.361	37.717	2117.860	2088959.311	6023379.112	0	RS-700	-0.18956283019
2171	-122.361	37.717	2156.198	2088960.691	6023377.491	0	RS-700	0.05155993711
2172	-122.361	37.717	2126.658	2088962.000	6023375.781	0	RS-700	-0.13422591195
2173	-122.361	37.717	2140.766	2088963.273	6023374.041	0	RS-700	-0.04549767296
2174	-122.361	37.717	2337.487	2088964.582	6023372.303	0	RS-700	1.19173974843
2175	-122.361	37.717	2254.584	2088965.816	6023370.707	0	RS-700	0.67034025157
2176	-122.361	37.717	2193.675	2088966.978	6023369.023	0	RS-700	0.28726408805
2177	-122.361	37.717	2172.768	2088968.068	6023367.309	0	RS-700	0.15577591195
2178	-122.361	37.717	2291.949	2088969.122	6023365.594	0	RS-700	0.90534176101
2179	-122.361	37.717	2179.998	2088970.246	6023364.025	0	RS-700	0.20124383648
2180	-122.361	37.717	2149.207	2088971.481	6023362.343	0	RS-700	0.00759226415
2181	-122.361	37.717	2147.764	2088972.717	6023360.632	0	RS-700	-0.00148710692
2182	-122.361	37.717	2236.798	2088973.953	6023358.921	0	RS-700	0.55847704403
2183	-122.361	37.717	2225.574	2088975.440	6023357.388	0	RS-700	0.48788377359
2184	-122.361	37.717	2141.446	2088976.964	6023355.827	0	RS-700	-0.04122025157
2185	-122.361	37.717	2184.784	2088978.305	6023354.321	0	RS-700	0.23134559748
2186	-122.361	37.717	2188.441	2088979.722	6023352.700	0	RS-700	0.25434547170
2187	-122.361	37.717	2165.843	2088981.101	6023351.078	0	RS-700	0.11222132076
2188	-122.361	37.717	2130.405	2088982.518	6023349.457	0	RS-700	-0.11066056604
2189	-122.361	37.717	2118.289	2088983.790	6023347.747	0	RS-700	-0.18686000000
2190	-122.361	37.717	2208.573	2088985.167	6023346.270	0	RS-700	0.38096371069
2191	-122.361	37.717	2193.552	2088986.469	6023344.878	0	RS-700	0.28648974843
2192	-122.361	37.717	2201.341	2088987.770	6023343.544	0	RS-700	0.33547591195
2193	-122.361	37.717	2251.467	2088989.036	6023342.152	0	RS-700	0.65073867925
2194	-122.361	37.717	2208.787	2088990.341	6023340.644	0	RS-700	0.38231037736
2195	-122.361	37.717	2160.558	2088991.647	6023339.050	0	RS-700	0.07897949686
2196	-122.361	37.717	2129.750	2088992.990	6023337.457	0	RS-700	-0.11477924528
2197	-122.361	37.717	2174.779	2088994.549	6023335.955	0	RS-700	0.16842377359
2198	-122.361	37.717	2189.217	2088996.072	6023334.452	0	RS-700	0.25922597484
2199	-122.361	37.717	2207.017	2088997.307	6023332.798	0	RS-700	0.37117578616
2200	-122.361	37.717	2086.435	2088998.397	6023331.113	0	RS-700	-0.38719930818
2201	-122.361	37.717	2150.078	2088999.561	6023329.371	0	RS-700	0.01307031447
2202	-122.361	37.717	2173.887	2089000.903	6023327.778	0	RS-700	0.16281182390
2203	-122.361	37.717	2177.889	2089002.393	6023326.130	0	RS-700	0.18797861635
2204	-122.361	37.717	2147.662	2089003.775	6023324.392	0	RS-700	-0.00212522013



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2205	-122.361	37.717	2136.297	2089005.195	6023322.569	0	RS-700	-0.07360169811
2206	-122.361	37.717	2179.993	2089006.507	6023320.715	0	RS-700	0.20121176101
2207	-122.361	37.717	2101.753	2089007.927	6023318.891	0	RS-700	-0.29086276730
2208	-122.361	37.717	2072.735	2089009.345	6023317.184	0	RS-700	-0.47336364780
2209	-122.361	37.717	2156.094	2089010.726	6023315.504	0	RS-700	0.05090383648
2210	-122.361	37.717	2126.655	2089012.107	6023313.825	0	RS-700	-0.13424471698
2211	-122.361	37.717	2053.426	2089013.526	6023312.031	0	RS-700	-0.59480798742
2212	-122.361	37.717	2060.844	2089014.762	6023310.319	0	RS-700	-0.54814855346
2213	-122.361	37.717	2088.852	2089015.923	6023308.693	0	RS-700	-0.37199811321
2214	-122.361	37.717	2048.732	2089017.120	6023307.126	0	RS-700	-0.62432798742
2215	-122.361	37.717	2148.874	2089018.460	6023305.648	0	RS-700	0.00549798742
2216	-122.361	37.717	2058.422	2089019.875	6023304.114	0	RS-700	-0.56338283019
2217	-122.361	37.717	2061.321	2089021.439	6023302.381	0	RS-700	-0.54515201258
2218	-122.361	37.717	2096.189	2089023.040	6023300.619	0	RS-700	-0.32585742138
2219	-122.361	37.717	2120.083	2089024.497	6023298.796	0	RS-700	-0.17557861635
2220	-122.361	37.717	2167.216	2089025.808	6023296.942	0	RS-700	0.12085465409
2221	-122.361	37.717	2113.966	2089027.302	6023295.091	0	RS-700	-0.21405289308
2222	-122.361	37.717	2145.344	2089028.758	6023293.298	0	RS-700	-0.01670408805
2223	-122.361	37.717	2033.024	2089030.068	6023291.530	0	RS-700	-0.72312194969
2224	-122.361	37.717	2107.428	2089031.122	6023289.786	0	RS-700	-0.25517213837
2225	-122.361	37.717	2038.630	2089032.064	6023288.185	0	RS-700	-0.68786257862
2226	-122.361	37.717	2090.857	2089032.937	6023286.408	0	RS-700	-0.35939025157
2227	-122.361	37.717	2035.240	2089033.736	6023284.689	0	RS-700	-0.70918245283
2228	-122.361	37.717	2048.937	2089034.828	6023282.917	0	RS-700	-0.62303742138
2229	-122.361	37.717	2134.762	2089035.988	6023281.320	0	RS-700	-0.08325874214
2230	-122.361	37.717	2126.318	2089037.078	6023279.634	0	RS-700	-0.13636169811
2231	-122.361	37.717	2069.258	2089038.165	6023278.094	0	RS-700	-0.49523188679
2232	-122.361	37.717	2201.897	2089039.436	6023276.441	0	RS-700	0.33897610063
2233	-122.361	37.717	2188.439	2089040.816	6023274.791	0	RS-700	0.25433238994
2234	-122.361	37.717	2230.687	2089041.867	6023273.249	0	RS-700	0.52004238994
2235	-122.361	37.717	2227.685	2089042.503	6023272.394	0	RS-700	0.50116314465
2236	-122.361	37.717	2116.862	2089042.540	6023272.337	0	RS-700	-0.19583396226
2237	-122.361	37.717	2263.813	2089042.951	6023271.824	0	RS-700	0.72838050315
2238	-122.362	37.717	2227.901	2089043.370	6023270.907	0	RS-700	0.50252169811
2239	-122.362	37.717	2183.220	2089043.638	6023270.247	0	RS-700	0.22150628931
2240	-122.362	37.717	2200.786	2089043.714	6023270.104	0	RS-700	0.33198540881
2241	-122.362	37.717	2183.773	2089044.394	6023268.873	0	RS-700	0.22498679245
2242	-122.362	37.717	2166.100	2089045.183	6023267.674	0	RS-700	0.11383679245
2243	-122.362	37.717	2153.200	2089046.043	6023266.534	0	RS-700	0.03270194969
2244	-122.362	37.717	2131.870	2089047.050	6023265.339	0	RS-700	-0.10144911950
2245	-122.362	37.717	2164.302	2089048.091	6023264.289	0	RS-700	0.10253018868
2246	-122.362	37.717	2260.811	2089049.277	6023263.242	0	RS-700	0.70950534591
2247	-122.362	37.717	1836.023	2089050.499	6023262.225	0	RS-700	-1.96211968553
2248	-122.362	37.717	1227.443	2089051.361	6023260.998	0	RS-700	-5.78966786164
2249	-122.362	37.717	1081.264	2089052.368	6023259.803	0	RS-700	-6.70902993711

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2250	-122.362	37.717	1112.343	2089053.520	6023258.669	0	RS-700	-6.51356314465
2251	-122.362	37.717	1622.824	2089054.638	6023257.389	0	RS-700	-3.30299566038
2252	-122.362	37.717	2030.827	2089055.832	6023255.937	0	RS-700	-0.73693836478
2253	-122.362	37.717	2103.752	2089057.031	6023254.254	0	RS-700	-0.27829188679
2254	-122.362	37.717	2233.804	2089058.196	6023252.426	0	RS-700	0.53965000000
2255	-122.362	37.717	2169.336	2089059.359	6023250.742	0	RS-700	0.13418943396
2256	-122.362	37.717	2179.099	2089060.482	6023249.202	0	RS-700	0.19559163522
2257	-122.362	37.717	2158.977	2089061.641	6023247.663	0	RS-700	0.06903974843
2258	-122.362	37.717	2232.799	2089062.766	6023246.066	0	RS-700	0.53332566038
2259	-122.362	37.717	2221.239	2089063.925	6023244.526	0	RS-700	0.46061955975
2260	-122.362	37.717	2174.566	2089065.269	6023242.875	0	RS-700	0.16708113208
2261	-122.362	37.717	2219.015	2089066.502	6023241.337	0	RS-700	0.44663383648
2262	-122.362	37.717	2071.788	2089067.663	6023239.712	0	RS-700	-0.47931830189
2263	-122.362	37.717	2144.877	2089068.640	6023238.227	0	RS-700	-0.01964371069
2264	-122.362	37.717	2231.556	2089069.658	6023236.453	0	RS-700	0.52550899371
2265	-122.362	37.717	2197.225	2089070.854	6023234.944	0	RS-700	0.30959150943
2266	-122.362	37.717	2133.513	2089072.123	6023233.378	0	RS-700	-0.09111490566
2267	-122.362	37.717	2198.115	2089073.355	6023231.840	0	RS-700	0.31518698113
2268	-122.362	37.717	2272.698	2089074.514	6023230.359	0	RS-700	0.78426490566
2269	-122.362	37.717	2338.830	2089075.561	6023228.962	0	RS-700	1.20018874214
2270	-122.362	37.718	2360.312	2089076.569	6023227.738	0	RS-700	1.33529402516
2271	-122.362	37.718	2692.229	2089077.361	6023226.365	0	RS-700	1.45521747801
2272	-122.362	37.718	2768.271	2089078.034	6023225.482	0	RS-700	1.67821489736
2273	-122.362	37.718	2690.889	2089078.598	6023224.596	0	RS-700	1.45128706745
2274	-122.362	37.718	2460.247	2089079.419	6023223.629	0	RS-700	0.77491686217
2275	-122.362	37.718	1965.804	2089080.350	6023222.577	0	RS-700	-0.67506043988
2276	-122.362	37.718	1859.480	2089080.800	6023221.920	0	RS-700	-0.98686175953
2277	-122.362	37.718	1624.591	2089081.361	6023221.208	0	RS-700	-1.67568739003
2278	-122.362	37.718	1493.456	2089081.808	6023220.696	0	RS-700	-2.06024560117
2279	-122.362	37.718	1775.551	2089082.555	6023219.728	0	RS-700	-1.23298870968
2280	-122.362	37.718	2100.648	2089083.302	6023218.817	0	RS-700	-0.27962504399
2281	-122.362	37.718	2545.791	2089083.981	6023217.615	0	RS-700	1.02577970674
2282	-122.362	37.718	2417.474	2089085.320	6023216.224	0	RS-700	0.64948489736
2283	-122.362	37.718	2142.627	2089086.882	6023214.577	0	RS-700	-0.15651941349
2284	-122.362	37.718	2215.352	2089087.761	6023212.512	0	RS-700	0.05674950147
2285	-122.362	37.718	2230.896	2089088.780	6023210.710	0	RS-700	0.10233313783
2286	-122.362	37.718	2176.758	2089090.194	6023209.204	0	RS-700	0.18086716981
2287	-122.362	37.718	2198.224	2089091.428	6023207.580	0	RS-700	0.31587220126
2288	-122.362	37.718	2208.897	2089092.483	6023205.836	0	RS-700	0.38299987421
2289	-122.362	37.718	2208.680	2089093.648	6023204.008	0	RS-700	0.38163578616
2290	-122.362	37.718	2269.041	2089094.697	6023202.524	0	RS-700	0.76126220126
2291	-122.362	37.718	2175.564	2089095.856	6023201.014	0	RS-700	0.17336125786
2292	-122.362	37.718	2144.769	2089096.942	6023199.560	0	RS-700	-0.02031918239
2293	-122.362	37.718	2157.341	2089098.064	6023198.078	0	RS-700	0.05874723270
2294	-122.362	37.718	2177.778	2089099.078	6023196.536	0	RS-700	0.18728371069

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2295	-122.362	37.718	2225.349	2089100.021	6023194.906	0	RS-700	0.48647176101
2296	-122.362	37.718	2229.138	2089101.112	6023193.105	0	RS-700	0.51030308176
2297	-122.362	37.718	2151.660	2089102.347	6023191.481	0	RS-700	0.02301880503
2298	-122.362	37.718	2114.653	2089103.542	6023190.000	0	RS-700	-0.20973094340
2299	-122.362	37.718	2249.271	2089104.629	6023188.402	0	RS-700	0.63692528302
2300	-122.362	37.718	2191.441	2089105.535	6023186.828	0	RS-700	0.27321534591
2301	-122.362	37.718	2261.806	2089106.334	6023185.080	0	RS-700	0.71576037736
2302	-122.362	37.718	2191.349	2089107.425	6023183.337	0	RS-700	0.27263308176
2303	-122.362	37.718	2265.814	2089108.770	6023181.627	0	RS-700	0.74096641509
2304	-122.362	37.718	2280.586	2089110.187	6023179.978	0	RS-700	0.83387320755
2305	-122.362	37.718	2244.363	2089111.711	6023178.417	0	RS-700	0.60605679245
2306	-122.362	37.718	2175.105	2089113.202	6023176.711	0	RS-700	0.17046880503
2307	-122.362	37.718	2191.342	2089114.401	6023174.999	0	RS-700	0.27258886793
2308	-122.362	37.718	2245.811	2089115.744	6023173.405	0	RS-700	0.61516056604
2309	-122.362	37.718	2235.687	2089117.015	6023171.753	0	RS-700	0.55149276730
2310	-122.362	37.718	2273.055	2089118.215	6023170.012	0	RS-700	0.78650823899
2311	-122.362	37.718	2237.120	2089119.563	6023168.158	0	RS-700	0.56050597484
2312	-122.362	37.718	2199.673	2089120.729	6023166.301	0	RS-700	0.32498710692
2313	-122.362	37.718	2231.685	2089122.074	6023164.621	0	RS-700	0.52631893082
2314	-122.362	37.718	2242.138	2089123.272	6023162.996	0	RS-700	0.59206490566
2315	-122.362	37.718	2326.360	2089124.360	6023161.397	0	RS-700	1.12176201258
2316	-122.362	37.718	2177.339	2089125.450	6023159.654	0	RS-700	0.18452094340
2317	-122.362	37.718	2274.296	2089126.723	6023157.915	0	RS-700	0.79431559748
2318	-122.362	37.718	2271.584	2089128.174	6023156.381	0	RS-700	0.77725981132
2319	-122.362	37.718	2267.470	2089129.661	6023154.878	0	RS-700	0.75138591195
2320	-122.362	37.718	2278.596	2089131.037	6023153.430	0	RS-700	0.82135830189
2321	-122.362	37.718	2276.701	2089132.415	6023151.924	0	RS-700	0.80943987421
2322	-122.362	37.718	2223.133	2089133.798	6023150.100	0	RS-700	0.47253647799
2323	-122.362	37.718	2414.744	2089135.182	6023148.305	0	RS-700	1.67763396226
2324	-122.362	37.718	2304.942	2089136.598	6023146.655	0	RS-700	0.98705383648
2325	-122.362	37.718	2199.999	2089137.688	6023144.970	0	RS-700	0.32703911950
2326	-122.362	37.718	2314.060	2089138.813	6023143.343	0	RS-700	1.04440213836
2327	-122.362	37.718	2199.674	2089140.047	6023141.719	0	RS-700	0.32499220126
2328	-122.362	37.718	2298.495	2089141.283	6023140.007	0	RS-700	0.94650823899
2329	-122.362	37.718	2280.930	2089142.518	6023138.354	0	RS-700	0.83603723270
2330	-122.362	37.718	2299.036	2089143.789	6023136.672	0	RS-700	0.94991421384
2331	-122.362	37.718	2386.313	2089145.094	6023135.165	0	RS-700	1.49882339623
2332	-122.362	37.718	2178.450	2089146.217	6023133.654	0	RS-700	0.19150905660
2333	-122.362	37.718	2237.045	2089147.341	6023132.056	0	RS-700	0.56002930818
2334	-122.362	37.718	2204.452	2089148.648	6023130.433	0	RS-700	0.35504106918
2335	-122.362	37.718	2228.911	2089150.101	6023128.784	0	RS-700	0.50887119497
2336	-122.362	37.718	2176.219	2089151.409	6023127.104	0	RS-700	0.17747836478
2337	-122.362	37.718	2204.573	2089152.719	6023125.365	0	RS-700	0.35580358491
2338	-122.362	37.718	2157.564	2089154.247	6023123.602	0	RS-700	0.06014968553
2339	-122.362	37.718	2315.070	2089155.958	6023121.813	0	RS-700	1.05075503145

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2340	-122.362	37.718	2217.905	2089157.670	6023119.938	0	RS-700	0.43965484277
2341	-122.362	37.718	2357.373	2089159.163	6023118.116	0	RS-700	1.31680893082
2342	-122.362	37.718	2391.628	2089160.257	6023116.228	0	RS-700	1.53224861635
2343	-122.362	37.718	2306.357	2089161.276	6023114.426	0	RS-700	0.99595591195
2344	-122.362	37.718	2318.603	2089162.439	6023112.742	0	RS-700	1.07297735849
2345	-122.362	37.718	2242.239	2089163.855	6023111.092	0	RS-700	0.59269748428
2346	-122.362	37.718	2319.831	2089165.163	6023109.441	0	RS-700	1.08069849057
2347	-122.362	37.718	2366.544	2089166.431	6023107.932	0	RS-700	1.37448987421
2348	-122.362	37.718	2324.183	2089167.587	6023106.567	0	RS-700	1.10806761006
2349	-122.362	37.718	2403.215	2089168.781	6023105.144	0	RS-700	1.60512358491
2350	-122.362	37.718	2305.272	2089169.905	6023103.546	0	RS-700	0.98913427673
2351	-122.362	37.718	2286.703	2089171.144	6023101.719	0	RS-700	0.87234490566
2352	-122.362	37.718	2263.613	2089172.420	6023099.807	0	RS-700	0.72712861635
2353	-122.362	37.718	2229.351	2089173.691	6023098.154	0	RS-700	0.51164421384
2354	-122.362	37.718	2272.155	2089175.036	6023096.474	0	RS-700	0.78084905660
2355	-122.362	37.718	2235.118	2089176.381	6023094.736	0	RS-700	0.54790924528
2356	-122.362	37.718	2297.940	2089177.655	6023092.967	0	RS-700	0.94301849057
2357	-122.362	37.718	2330.950	2089178.965	6023091.171	0	RS-700	1.15063106918
2358	-122.362	37.718	2304.289	2089180.240	6023089.316	0	RS-700	0.98295018868
2359	-122.362	37.718	2269.711	2089181.405	6023087.516	0	RS-700	0.76547792453
2360	-122.362	37.718	2370.730	2089182.641	6023085.805	0	RS-700	1.40081849057
2361	-122.362	37.718	2374.332	2089183.914	6023084.037	0	RS-700	1.42347132075
2362	-122.362	37.718	2344.250	2089185.188	6023082.269	0	RS-700	1.23427779874
2363	-122.362	37.718	2470.374	2089186.534	6023080.502	0	RS-700	2.02751238994
2364	-122.362	37.718	2394.970	2089187.954	6023078.707	0	RS-700	1.55327169811
2365	-122.362	37.718	2449.764	2089189.261	6023077.055	0	RS-700	1.89788685535
2366	-122.362	37.718	2400.619	2089190.531	6023075.461	0	RS-700	1.58880106918
2367	-122.362	37.718	2368.195	2089191.765	6023073.836	0	RS-700	1.38487572327
2368	-122.362	37.718	2324.366	2089193.036	6023072.212	0	RS-700	1.10922069182
2369	-122.362	37.718	2336.598	2089194.237	6023070.414	0	RS-700	1.18615327044
2370	-122.362	37.718	2380.329	2089195.548	6023068.617	0	RS-700	1.46118754717
2371	-122.362	37.718	2314.864	2089196.929	6023066.909	0	RS-700	1.04945710692
2372	-122.362	37.718	2341.191	2089198.276	6023065.084	0	RS-700	1.21503937107
2373	-122.362	37.718	2466.249	2089199.588	6023063.230	0	RS-700	2.00156314465
2374	-122.362	37.718	2347.189	2089200.863	6023061.375	0	RS-700	1.25276163522
2375	-122.362	37.718	2374.563	2089202.209	6023059.637	0	RS-700	1.42492691824
2376	-122.362	37.718	2331.067	2089203.552	6023058.015	0	RS-700	1.15136779874
2377	-122.362	37.718	2353.955	2089205.041	6023056.424	0	RS-700	1.29531289308
2378	-122.362	37.718	2165.108	2089206.529	6023054.834	0	RS-700	0.10759798742
2379	-122.362	37.718	2180.995	2089208.058	6023053.041	0	RS-700	0.20751578616
2380	-122.362	37.718	2110.861	2089209.408	6023051.101	0	RS-700	-0.23357761006
2381	-122.362	37.718	2242.024	2089210.830	6023049.191	0	RS-700	0.59134339623
2382	-122.362	37.718	2203.895	2089212.251	6023047.281	0	RS-700	0.35154119497
2383	-122.362	37.718	2179.105	2089213.635	6023045.486	0	RS-700	0.19563194969
2384	-122.362	37.718	2162.882	2089215.020	6023043.575	0	RS-700	0.09359830189

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2385	-122.362	37.718	2278.493	2089216.440	6023041.752	0	RS-700	0.82070880503
2386	-122.362	37.718	2291.270	2089217.824	6023039.957	0	RS-700	0.90107069182
2387	-122.362	37.718	2248.368	2089219.098	6023038.160	0	RS-700	0.63124389937
2388	-122.362	37.718	2204.006	2089220.300	6023036.303	0	RS-700	0.35223842767
2389	-122.362	37.718	2206.797	2089221.501	6023034.504	0	RS-700	0.36979484277
2390	-122.362	37.718	2220.237	2089222.810	6023032.795	0	RS-700	0.45432050315
2391	-122.362	37.718	2286.697	2089224.372	6023031.148	0	RS-700	0.87230792453
2392	-122.362	37.718	2142.845	2089225.716	6023029.526	0	RS-700	-0.03242201258
2393	-122.362	37.718	2149.767	2089226.844	6023027.725	0	RS-700	0.01111610063
2394	-122.362	37.718	2215.013	2089227.862	6023025.981	0	RS-700	0.42146779874
2395	-122.362	37.718	2211.446	2089229.060	6023024.327	0	RS-700	0.39903339623
2396	-122.362	37.718	2199.677	2089230.331	6023022.703	0	RS-700	0.32501301887
2397	-122.362	37.718	2264.037	2089231.786	6023020.967	0	RS-700	0.72979270440
2398	-122.362	37.718	2248.158	2089233.130	6023019.316	0	RS-700	0.62992716981
2399	-122.362	37.718	2287.704	2089234.511	6023017.637	0	RS-700	0.87863905660
2400	-122.362	37.718	2102.751	2089235.634	6023016.097	0	RS-700	-0.28458477987
2401	-122.362	37.718	2230.461	2089236.760	6023014.441	0	RS-700	0.51862490566
2402	-122.362	37.718	2189.667	2089237.883	6023012.873	0	RS-700	0.26205867925
2403	-122.362	37.718	2220.231	2089239.116	6023011.335	0	RS-700	0.45428188679
2404	-122.362	37.718	2203.239	2089240.348	6023009.826	0	RS-700	0.34741295598
2405	-122.362	37.718	2162.750	2089241.580	6023008.288	0	RS-700	0.09276987421
2406	-122.362	37.718	2231.590	2089242.922	6023006.724	0	RS-700	0.52572383648
2407	-122.362	37.718	2222.907	2089244.191	6023005.216	0	RS-700	0.47111088050
2408	-122.362	37.718	2234.025	2089245.424	6023003.649	0	RS-700	0.54103742138
2409	-122.362	37.718	2223.911	2089246.511	6023002.051	0	RS-700	0.47742943396
2410	-122.362	37.718	2281.589	2089247.454	6023000.450	0	RS-700	0.84018383648
2411	-122.362	37.718	2155.774	2089248.540	6022998.938	0	RS-700	0.04889232704
2412	-122.362	37.718	2126.079	2089249.700	6022997.399	0	RS-700	-0.13786893082
2413	-122.362	37.718	2153.893	2089251.007	6022995.747	0	RS-700	0.03706584906
2414	-122.362	37.718	2237.579	2089252.351	6022994.125	0	RS-700	0.56339220126
2415	-122.362	37.718	2214.680	2089253.662	6022992.299	0	RS-700	0.41937106918
2416	-122.362	37.718	2293.930	2089254.647	6022990.351	0	RS-700	0.91780138365
2417	-122.362	37.718	2362.199	2089255.886	6022988.496	0	RS-700	1.34716257862
2418	-122.362	37.718	2438.000	2089257.269	6022986.730	0	RS-700	1.82389911950
2419	-122.363	37.718	2313.813	2089258.900	6022985.287	0	RS-700	1.04284905660
2420	-122.363	37.718	2286.060	2089260.207	6022983.635	0	RS-700	0.86830238994
2421	-122.363	37.718	2287.475	2089261.371	6022981.893	0	RS-700	0.87719949686
2422	-122.363	37.718	2230.688	2089262.643	6022980.183	0	RS-700	0.52005188679
2423	-122.363	37.718	2330.946	2089263.914	6022978.530	0	RS-700	1.15060628931
2424	-122.363	37.718	2352.724	2089265.112	6022976.934	0	RS-700	1.28757471698
2425	-122.363	37.718	2329.419	2089266.381	6022975.368	0	RS-700	1.14100044025
2426	-122.363	37.718	2343.945	2089267.652	6022973.744	0	RS-700	1.23235553459
2427	-122.363	37.718	2306.414	2089269.032	6022972.094	0	RS-700	0.99631333333
2428	-122.363	37.718	2300.717	2089270.410	6022970.559	0	RS-700	0.96048201258
2429	-122.363	37.718	2300.595	2089271.644	6022968.963	0	RS-700	0.95972006289

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2430	-122.363	37.718	2229.132	2089272.734	6022967.220	0	RS-700	0.51026188679
2431	-122.363	37.718	2308.485	2089273.934	6022965.508	0	RS-700	1.00934169811
2432	-122.363	37.718	2308.635	2089275.280	6022963.770	0	RS-700	1.01028433962
2433	-122.363	37.718	2279.285	2089276.696	6022962.121	0	RS-700	0.82568886793
2434	-122.363	37.718	2230.474	2089277.933	6022960.352	0	RS-700	0.51870679245
2435	-122.363	37.718	2268.142	2089279.028	6022958.406	0	RS-700	0.75560905660
2436	-122.363	37.718	2234.586	2089280.089	6022956.344	0	RS-700	0.54456440252
2437	-122.363	37.718	2193.569	2089281.475	6022954.434	0	RS-700	0.28659522013
2438	-122.363	37.718	2306.047	2089282.675	6022952.693	0	RS-700	0.99400911950
2439	-122.363	37.718	2235.581	2089283.652	6022951.179	0	RS-700	0.55082421384
2440	-122.363	37.718	2304.052	2089284.588	6022949.896	0	RS-700	0.98145735849
2441	-122.363	37.718	2358.841	2089285.416	6022948.552	0	RS-700	1.32604106918
2442	-122.363	37.718	2215.014	2089286.240	6022947.412	0	RS-700	0.42147232704
2443	-122.363	37.718	2260.139	2089286.654	6022946.726	0	RS-700	0.70527377359
2444	-122.363	37.718	2190.568	2089286.390	6022947.183	0	RS-700	0.26772226415
2445	-122.363	37.718	2273.373	2089286.092	6022947.496	0	RS-700	0.78850962264
2446	-122.363	37.718	2340.321	2089286.989	6022946.356	0	RS-700	1.20956301887
2447	-122.363	37.718	2342.714	2089288.149	6022944.788	0	RS-700	1.22461918239
2448	-122.363	37.718	2029.419	2089288.526	6022944.130	0	RS-700	-0.74579163522
2449	-122.363	37.718	1821.285	2089289.160	6022943.391	0	RS-700	-2.05481000000
2450	-122.363	37.718	1877.575	2089290.018	6022942.366	0	RS-700	-1.70078704403
2451	-122.363	37.718	1851.481	2089290.467	6022941.768	0	RS-700	-1.86490012579
2452	-122.363	37.718	2055.942	2089291.030	6022940.940	0	RS-700	-0.57898025157
2453	-122.363	37.718	1821.015	2089291.407	6022940.311	0	RS-700	-2.05651025157
2454	-122.363	37.718	1875.757	2089292.297	6022939.490	0	RS-700	-1.71222018868
2455	-122.363	37.718	2083.057	2089293.620	6022938.880	0	RS-700	-0.40844509434
2456	-122.363	37.718	2123.228	2089294.719	6022938.583	0	RS-700	-0.15580031447
2457	-122.363	37.718	2008.617	2089294.610	6022938.581	0	RS-700	-0.87661968554
2458	-122.363	37.718	1920.592	2089293.232	6022938.264	0	RS-700	-1.43023610063
2459	-122.363	37.718	2024.319	2089291.756	6022937.425	0	RS-700	-0.77786672956
2460	-122.363	37.718	1980.905	2089290.829	6022936.423	0	RS-700	-1.05090918239
2461	-122.363	37.718	1998.511	2089290.578	6022936.215	0	RS-700	-0.94017981132
2462	-122.363	37.718	1958.289	2089291.115	6022936.689	0	RS-700	-1.19315081761
2463	-122.363	37.718	1981.204	2089292.261	6022937.666	0	RS-700	-1.04902849057
2464	-122.363	37.718	2007.517	2089293.507	6022939.109	0	RS-700	-0.88354264151
2465	-122.363	37.718	1891.485	2089294.418	6022940.892	0	RS-700	-1.61330044025
2466	-122.363	37.718	1902.678	2089294.642	6022942.429	0	RS-700	-1.54290415094
2467	-122.363	37.718	1962.600	2089294.548	6022943.498	0	RS-700	-1.16603679245
2468	-122.363	37.718	2036.208	2089294.892	6022942.695	0	RS-700	-0.70309402516
2469	-122.363	37.718	2075.951	2089295.870	6022941.123	0	RS-700	-0.45314062893
2470	-122.363	37.718	2006.613	2089294.805	6022941.594	0	RS-700	-0.88922823899
2471	-122.363	37.718	2020.622	2089293.795	6022942.904	0	RS-700	-0.80112018868
2472	-122.363	37.718	1788.821	2089292.965	6022944.363	0	RS-700	-2.25898716981
2473	-122.363	37.718	1680.779	2089291.848	6022945.614	0	RS-700	-2.93849867925
2474	-122.363	37.718	2089.063	2089290.772	6022946.576	0	RS-700	-0.37067415094

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2475	-122.363	37.718	2195.895	2089289.875	6022947.744	0	RS-700	0.30122389937
2476	-122.363	37.718	2246.915	2089289.837	6022947.830	0	RS-700	0.62210861635
2477	-122.363	37.718	2343.843	2089289.538	6022948.201	0	RS-700	1.23171433962
2478	-122.363	37.718	2227.788	2089288.574	6022949.078	0	RS-700	0.50181440252
2479	-122.363	37.718	2358.080	2089287.646	6022949.957	0	RS-700	1.32125886792
2480	-122.363	37.718	2217.590	2089287.085	6022950.669	0	RS-700	0.43767056604
2481	-122.363	37.718	2268.374	2089286.003	6022951.978	0	RS-700	0.75706943396
2482	-122.363	37.718	2275.151	2089284.917	6022953.490	0	RS-700	0.79969301887
2483	-122.363	37.718	2267.805	2089283.795	6022954.972	0	RS-700	0.75349169811
2484	-122.363	37.718	2284.046	2089282.816	6022956.572	0	RS-700	0.85563616352
2485	-122.363	37.718	2317.873	2089281.622	6022958.024	0	RS-700	1.06838566038
2486	-122.363	37.718	2292.590	2089280.312	6022959.763	0	RS-700	0.90936855346
2487	-122.363	37.718	2302.825	2089279.074	6022961.618	0	RS-700	0.97374056604
2488	-122.363	37.718	2271.278	2089280.563	6022961.822	0	RS-700	0.77533144654
2489	-122.363	37.718	2427.593	2089276.299	6022965.613	0	RS-700	1.75844861635
2490	-122.363	37.718	2331.602	2089277.532	6022965.869	0	RS-700	1.15472943396
2491	-122.363	37.718	2310.719	2089275.961	6022967.950	0	RS-700	1.02339232704
2492	-122.363	37.718	2311.173	2089274.427	6022970.002	0	RS-700	1.02624553459
2493	-122.363	37.718	2253.260	2089272.967	6022972.027	0	RS-700	0.66201496855
2494	-122.363	37.718	2273.050	2089271.582	6022973.880	0	RS-700	0.78647773585
2495	-122.363	37.718	2294.615	2089267.984	6022977.193	0	RS-700	0.92210654088
2496	-122.363	37.718	2316.482	2089266.785	6022978.876	0	RS-700	1.05963421384
2497	-122.363	37.718	2364.848	2089265.622	6022980.589	0	RS-700	1.36382566038
2498	-122.363	37.718	2331.606	2089264.276	6022982.327	0	RS-700	1.15475735849
2499	-122.363	37.718	2299.713	2089262.965	6022984.152	0	RS-700	0.95416735849
2500	-122.363	37.718	2324.200	2089261.507	6022986.033	0	RS-700	1.10817383648
2501	-122.362	37.718	2281.819	2089260.123	6022987.886	0	RS-700	0.84162685535
2502	-122.362	37.718	2284.734	2089258.701	6022989.767	0	RS-700	0.85996377359
2503	-122.362	37.718	2253.258	2089257.423	6022991.766	0	RS-700	0.66200025157
2504	-122.362	37.718	2223.670	2089258.321	6022992.421	0	RS-700	0.47590911950
2505	-122.362	37.718	2135.212	2089256.967	6022994.564	0	RS-700	-0.08042805031
2506	-122.362	37.718	2158.193	2089255.543	6022996.560	0	RS-700	0.06410591195
2507	-122.362	37.718	2170.989	2089254.192	6022998.587	0	RS-700	0.14458522013
2508	-122.362	37.718	2196.108	2089252.843	6023000.470	0	RS-700	0.30256622642
2509	-122.362	37.718	2171.880	2089251.458	6023002.381	0	RS-700	0.15019031447
2510	-122.362	37.718	2220.674	2089250.033	6023004.435	0	RS-700	0.45706817610
2511	-122.362	37.718	2203.571	2089248.572	6023006.489	0	RS-700	0.34950169811
2512	-122.362	37.718	2255.139	2089247.254	6023008.662	0	RS-700	0.67382748428
2513	-122.362	37.718	2297.824	2089245.901	6023010.747	0	RS-700	0.94228729560
2514	-122.362	37.718	2232.805	2089244.476	6023012.830	0	RS-700	0.53336578616
2515	-122.362	37.718	2308.402	2089242.979	6023014.854	0	RS-700	1.00881943396
2516	-122.362	37.718	2159.883	2089241.407	6023016.993	0	RS-700	0.07473867925
2517	-122.362	37.718	2185.116	2089239.836	6023019.045	0	RS-700	0.23343610063
2518	-122.362	37.718	2188.788	2089238.304	6023021.010	0	RS-700	0.25652553459
2519	-122.362	37.718	2239.026	2089236.808	6023023.006	0	RS-700	0.57248886793

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2520	-122.362	37.718	2133.353	2089233.394	6023026.178	0	RS-700	-0.09212226415
2521	-122.362	37.718	2168.788	2089231.971	6023028.146	0	RS-700	0.13074232704
2522	-122.362	37.718	2214.041	2089230.548	6023030.114	0	RS-700	0.41535075472
2523	-122.362	37.718	2234.244	2089229.125	6023032.081	0	RS-700	0.54241672956
2524	-122.362	37.718	2227.346	2089227.774	6023034.051	0	RS-700	0.49903213837
2525	-122.362	37.718	2198.455	2089226.387	6023036.048	0	RS-700	0.31732748428
2526	-122.362	37.718	2293.167	2089226.880	6023036.897	0	RS-700	0.91300232704
2527	-122.362	37.718	2196.347	2089225.491	6023038.981	0	RS-700	0.30407226415
2528	-122.362	37.718	2201.680	2089224.176	6023041.009	0	RS-700	0.33761044025
2529	-122.362	37.718	2188.222	2089220.872	6023044.155	0	RS-700	0.25296949686
2530	-122.362	37.718	2207.790	2089219.051	6023045.999	0	RS-700	0.37603937107
2531	-122.362	37.718	2141.536	2089219.147	6023046.666	0	RS-700	-0.04065471698
2532	-122.362	37.718	2253.796	2089217.581	6023048.515	0	RS-700	0.66538660377
2533	-122.362	37.718	2269.703	2089214.349	6023051.691	0	RS-700	0.76542811321
2534	-122.362	37.718	2181.772	2089212.998	6023053.689	0	RS-700	0.21240553459
2535	-122.362	37.718	2236.231	2089211.503	6023055.598	0	RS-700	0.55490962264
2536	-122.362	37.718	2336.836	2089210.010	6023057.449	0	RS-700	1.18765088050
2537	-122.362	37.718	2419.113	2089210.324	6023058.120	0	RS-700	1.70511364780
2538	-122.362	37.718	2459.046	2089208.828	6023060.116	0	RS-700	1.95626314465
2539	-122.362	37.718	2376.843	2089207.367	6023062.141	0	RS-700	1.43926716981
2540	-122.362	37.718	2340.071	2089205.760	6023064.192	0	RS-700	1.20799628931
2541	-122.362	37.718	2407.829	2089204.048	6023066.038	0	RS-700	1.63414471698
2542	-122.362	37.718	2300.594	2089202.371	6023067.972	0	RS-700	0.95971220126
2543	-122.362	37.718	2423.443	2089200.693	6023069.935	0	RS-700	1.73234572327
2544	-122.362	37.718	2300.058	2089197.496	6023073.169	0	RS-700	0.95633698113
2545	-122.362	37.718	2302.938	2089196.180	6023075.255	0	RS-700	0.97445081761
2546	-122.362	37.718	2330.307	2089194.722	6023077.164	0	RS-700	1.14658628931
2547	-122.362	37.718	2304.283	2089195.070	6023077.952	0	RS-700	0.98290911950
2548	-122.362	37.718	2371.842	2089193.537	6023079.976	0	RS-700	1.40781358491
2549	-122.362	37.718	2367.427	2089190.193	6023083.294	0	RS-700	1.38004446541
2550	-122.362	37.718	2372.848	2089188.659	6023085.346	0	RS-700	1.41413666667
2551	-122.362	37.718	2413.629	2089187.126	6023087.370	0	RS-700	1.67062188679
2552	-122.362	37.718	2305.945	2089185.593	6023089.336	0	RS-700	0.99336383648
2553	-122.362	37.718	2335.719	2089185.943	6023090.066	0	RS-700	1.18062352201
2554	-122.362	37.718	2264.813	2089184.337	6023092.059	0	RS-700	0.73467213837
2555	-122.362	37.718	2367.960	2089180.922	6023095.318	0	RS-700	1.38339924528
2556	-122.362	37.718	2234.691	2089179.387	6023097.399	0	RS-700	0.54522484277
2557	-122.362	37.718	2263.263	2089177.927	6023099.424	0	RS-700	0.72492597484
2558	-122.362	37.718	2296.938	2089178.240	6023100.154	0	RS-700	0.93671628931
2559	-122.362	37.718	2316.526	2089174.900	6023103.299	0	RS-700	1.05990930818
2560	-122.362	37.718	2278.166	2089173.334	6023105.119	0	RS-700	0.81865150943
2561	-122.362	37.718	2323.418	2089173.577	6023105.731	0	RS-700	1.10325641509
2562	-122.362	37.718	2344.304	2089172.012	6023107.494	0	RS-700	1.23461660377
2563	-122.362	37.718	2238.360	2089168.711	6023110.495	0	RS-700	0.56830150943
2564	-122.362	37.718	2327.071	2089167.473	6023112.322	0	RS-700	1.12623251572



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2565	-122.362	37.718	2312.598	2089168.233	6023112.568	0	RS-700	1.03520666667
2566	-122.362	37.718	2224.694	2089167.673	6023113.251	0	RS-700	0.48235144654
2567	-122.362	37.718	2290.829	2089167.709	6023113.252	0	RS-700	0.89829345912
2568	-122.362	37.718	2259.809	2089168.532	6023112.169	0	RS-700	0.70320433962
2569	-122.362	37.718	2252.579	2089170.110	6023109.741	0	RS-700	0.65773226415
2570	-122.362	37.718	2322.843	2089171.461	6023107.714	0	RS-700	1.09964213836
2571	-122.362	37.718	2333.071	2089172.028	6023106.713	0	RS-700	1.16396993711
2572	-122.362	37.718	2319.822	2089172.180	6023106.369	0	RS-700	1.08064056604
2573	-122.362	37.718	2254.019	2089171.989	6023106.799	0	RS-700	0.66678874214
2574	-122.362	37.718	2320.946	2089171.571	6023107.716	0	RS-700	1.08771364780
2575	-122.362	37.718	2227.127	2089170.565	6023108.825	0	RS-700	0.49765100629
2576	-122.362	37.718	2352.959	2089168.695	6023109.453	0	RS-700	1.28905289308
2577	-122.362	37.718	2257.689	2089166.762	6023109.617	0	RS-700	0.68986710692
2578	-122.362	37.718	2362.201	2089164.784	6023110.185	0	RS-700	1.34717358491
2579	-122.362	37.718	2310.523	2089163.081	6023111.569	0	RS-700	1.02215477987
2580	-122.362	37.718	2323.311	2089162.022	6023113.544	0	RS-700	1.10258547170
2581	-122.362	37.718	2391.095	2089161.262	6023115.120	0	RS-700	1.52889698113
2582	-122.362	37.718	2223.801	2089160.997	6023115.664	0	RS-700	0.47673427673
2583	-122.362	37.718	2312.838	2089161.827	6023114.205	0	RS-700	1.03671955975
2584	-122.362	37.718	2373.097	2089162.922	6023112.231	0	RS-700	1.41570591195
2585	-122.362	37.718	2317.831	2089163.713	6023110.945	0	RS-700	1.06812025157
2586	-122.362	37.718	2260.031	2089163.599	6023111.145	0	RS-700	0.70459949686
2587	-122.362	37.718	2295.296	2089162.847	6023112.374	0	RS-700	0.92639163522
2588	-122.362	37.718	2272.936	2089161.618	6023113.709	0	RS-700	0.78575861635
2589	-122.362	37.718	2340.071	2089160.100	6023114.981	0	RS-700	1.20799522013
2590	-122.362	37.718	2288.264	2089158.945	6023116.289	0	RS-700	0.88216276730
2591	-122.362	37.718	2229.133	2089158.399	6023118.072	0	RS-700	0.51027220126
2592	-122.362	37.718	2154.557	2089158.542	6023120.042	0	RS-700	0.04124012579
2593	-122.362	37.718	2095.646	2089159.016	6023121.845	0	RS-700	-0.32927163522
2594	-122.362	37.718	2182.014	2089159.751	6023123.335	0	RS-700	0.21392452830
2595	-122.362	37.718	2138.525	2089160.237	6023124.560	0	RS-700	-0.05958943396
2596	-122.362	37.718	2290.362	2089160.544	6023125.578	0	RS-700	0.89535698113
2597	-122.362	37.718	2187.546	2089160.511	6023125.404	0	RS-700	0.24871685535
2598	-122.362	37.718	2208.574	2089160.917	6023123.300	0	RS-700	0.38096723270
2599	-122.362	37.718	2112.749	2089161.529	6023121.866	0	RS-700	-0.22170666667
2600	-122.362	37.718	2206.680	2089161.756	6023121.408	0	RS-700	0.36905880503
2601	-122.362	37.718	2203.011	2089161.491	6023121.952	0	RS-700	0.34598408805
2602	-122.362	37.718	2198.464	2089160.990	6023123.302	0	RS-700	0.31738169811
2603	-122.362	37.718	2107.860	2089160.231	6023124.849	0	RS-700	-0.25245006289
2604	-122.362	37.718	2254.145	2089159.364	6023126.307	0	RS-700	0.66758062893
2605	-122.362	37.718	2204.453	2089158.431	6023127.475	0	RS-700	0.35505238994
2606	-122.362	37.718	2239.257	2089157.090	6023128.952	0	RS-700	0.57394496855
2607	-122.362	37.718	2167.775	2089155.747	6023130.575	0	RS-700	0.12437396226
2608	-122.362	37.718	2215.354	2089154.580	6023132.490	0	RS-700	0.42361257862
2609	-122.362	37.718	2280.034	2089153.232	6023134.314	0	RS-700	0.83040515723

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2610	-122.362	37.718	2282.160	2089151.671	6023135.932	0	RS-700	0.84377270440
2611	-122.362	37.718	2185.673	2089150.108	6023137.608	0	RS-700	0.23693710692
2612	-122.362	37.718	2271.268	2089148.687	6023139.460	0	RS-700	0.77526836478
2613	-122.362	37.718	2251.692	2089147.156	6023141.339	0	RS-700	0.65215150943
2614	-122.362	37.718	2276.160	2089144.185	6023144.231	0	RS-700	0.80603786164
2615	-122.362	37.718	2187.233	2089142.690	6023146.169	0	RS-700	0.24674792453
2616	-122.362	37.718	2273.156	2089142.670	6023147.152	0	RS-700	0.78714415094
2617	-122.362	37.718	2308.403	2089141.104	6023149.001	0	RS-700	1.00882396226
2618	-122.362	37.718	2342.721	2089139.609	6023150.910	0	RS-700	1.22466081761
2619	-122.362	37.718	2342.092	2089138.040	6023152.904	0	RS-700	1.22070283019
2620	-122.362	37.718	2335.837	2089135.249	6023155.886	0	RS-700	1.18136622642
2621	-122.362	37.718	2320.947	2089133.935	6023157.885	0	RS-700	1.08771566038
2622	-122.362	37.718	2334.835	2089132.478	6023159.736	0	RS-700	1.17506194969
2623	-122.362	37.718	2326.940	2089131.096	6023161.444	0	RS-700	1.12541119497
2624	-122.362	37.718	2187.437	2089129.749	6023163.240	0	RS-700	0.24803081761
2625	-122.362	37.718	2339.188	2089128.514	6023164.923	0	RS-700	1.20243792453
2626	-122.362	37.718	2253.919	2089127.425	6023166.579	0	RS-700	0.66615937107
2627	-122.362	37.718	2271.826	2089127.704	6023167.221	0	RS-700	0.77877974843
2628	-122.362	37.718	2276.906	2089126.508	6023168.730	0	RS-700	0.81073037736
2629	-122.362	37.718	2249.581	2089125.163	6023170.439	0	RS-700	0.63887509434
2630	-122.362	37.718	2306.829	2089123.855	6023172.091	0	RS-700	0.99892622642
2631	-122.362	37.718	2338.843	2089122.548	6023173.743	0	RS-700	1.20026911950
2632	-122.362	37.718	2139.085	2089121.315	6023175.281	0	RS-700	-0.05606886792
2633	-122.362	37.718	2215.568	2089119.934	6023176.989	0	RS-700	0.42495823899
2634	-122.362	37.718	2092.225	2089117.151	6023179.567	0	RS-700	-0.35078327044
2635	-122.362	37.718	2207.236	2089117.173	6023180.290	0	RS-700	0.37255289308
2636	-122.362	37.718	2328.950	2089115.863	6023182.087	0	RS-700	1.13805163522
2637	-122.362	37.718	2269.041	2089113.297	6023184.755	0	RS-700	0.76126440252
2638	-122.362	37.718	2194.792	2089113.356	6023185.451	0	RS-700	0.29429025157
2639	-122.362	37.718	2149.452	2089111.902	6023187.158	0	RS-700	0.00913176101
2640	-122.362	37.718	2142.410	2089110.520	6023188.895	0	RS-700	-0.03516006289
2641	-122.362	37.718	2138.190	2089109.064	6023190.660	0	RS-700	-0.06169534591
2642	-122.362	37.718	2174.889	2089107.608	6023192.453	0	RS-700	0.16911628931
2643	-122.362	37.718	2253.579	2089104.822	6023195.204	0	RS-700	0.66402094340
2644	-122.362	37.718	2220.676	2089104.842	6023196.043	0	RS-700	0.45707955975
2645	-122.362	37.718	2265.806	2089102.166	6023198.710	0	RS-700	0.74091949686
2646	-122.362	37.718	2231.350	2089100.968	6023200.364	0	RS-700	0.52421119497
2647	-122.362	37.718	2109.872	2089101.137	6023201.003	0	RS-700	-0.23980163522
2648	-122.362	37.718	2158.774	2089099.863	6023202.801	0	RS-700	0.06775805031
2649	-122.362	37.718	2207.786	2089098.701	6023204.484	0	RS-700	0.37601471698
2650	-122.362	37.718	2274.152	2089096.171	6023207.154	0	RS-700	0.79341012579
2651	-122.362	37.718	2250.033	2089094.751	6023208.977	0	RS-700	0.64171622642
2652	-122.362	37.718	2309.701	2089094.845	6023209.731	0	RS-700	1.01698735849
2653	-122.362	37.718	2200.567	2089091.947	6023212.624	0	RS-700	0.01339416422
2654	-122.362	37.718	2192.902	2089092.078	6023213.350	0	RS-700	-0.00908480938

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2655	-122.362	37.718	2315.294	2089090.804	6023215.147	0	RS-700	0.34983580645
2656	-122.362	37.718	2555.428	2089089.459	6023216.856	0	RS-700	1.05404237537
2657	-122.362	37.718	2581.667	2089088.488	6023218.081	0	RS-700	1.13098824047
2658	-122.362	37.718	2279.270	2089087.701	6023219.223	0	RS-700	0.24419460411
2659	-122.362	37.718	1960.996	2089086.876	6023220.392	0	RS-700	-0.68916167155
2660	-122.362	37.718	1562.801	2089085.980	6023221.474	0	RS-700	-1.85688750733
2661	-122.362	37.718	1805.550	2089084.932	6023222.928	0	RS-700	-1.14501609971
2662	-122.362	37.718	2391.089	2089083.846	6023224.440	0	RS-700	0.57210970675
2663	-122.362	37.718	2723.247	2089082.390	6023226.234	0	RS-700	1.54617929619
2664	-122.362	37.718	2512.026	2089080.811	6023228.690	0	RS-700	0.92676214076
2665	-122.362	37.718	2342.318	2089079.721	6023230.404	0	RS-700	1.22212641509
2666	-122.362	37.718	2399.954	2089078.814	6023232.064	0	RS-700	1.58461371069
2667	-122.362	37.718	2231.462	2089077.911	6023233.522	0	RS-700	0.52491874214
2668	-122.362	37.718	2244.252	2089076.751	6023235.090	0	RS-700	0.60535716981
2669	-122.362	37.717	2206.673	2089075.441	6023236.858	0	RS-700	0.36901012579
2670	-122.362	37.717	2180.989	2089074.424	6023238.515	0	RS-700	0.20747641509
2671	-122.362	37.717	2163.886	2089072.089	6023240.581	0	RS-700	0.09991188679
2672	-122.362	37.717	2088.959	2089071.972	6023240.983	0	RS-700	-0.37132716981
2673	-122.362	37.717	2212.452	2089069.117	6023243.501	0	RS-700	0.40535553459
2674	-122.362	37.717	2153.892	2089069.140	6023244.196	0	RS-700	0.03705836478
2675	-122.362	37.717	2140.184	2089066.534	6023247.037	0	RS-700	-0.04915849057
2676	-122.362	37.717	2148.547	2089065.264	6023248.632	0	RS-700	0.00344320755
2677	-122.362	37.717	2110.651	2089065.252	6023249.239	0	RS-700	-0.23489823899
2678	-122.362	37.717	2106.861	2089062.617	6023251.733	0	RS-700	-0.25873899371
2679	-122.362	37.717	2026.719	2089061.384	6023253.300	0	RS-700	-0.76277484277
2680	-122.362	37.717	2152.446	2089061.227	6023253.846	0	RS-700	0.02796427673
2681	-122.362	37.717	2062.841	2089059.668	6023255.348	0	RS-700	-0.53559320755
2682	-122.362	37.717	1829.576	2089058.254	6023256.854	0	RS-700	-2.00266792453
2683	-122.362	37.717	1092.176	2089057.021	6023258.420	0	RS-700	-6.64040402516
2684	-122.362	37.717	912.323	2089054.495	6023260.916	0	RS-700	-7.77155427673
2685	-122.362	37.717	1115.231	2089054.925	6023261.272	0	RS-700	-6.49540044025
2686	-122.362	37.717	1825.670	2089053.805	6023262.609	0	RS-700	-2.02723056604
2687	-122.362	37.717	2183.669	2089052.836	6023263.747	0	RS-700	0.22433641509
2688	-122.362	37.717	2187.104	2089051.680	6023265.113	0	RS-700	0.24593981132
2689	-122.362	37.717	1924.398	2089050.342	6023266.446	0	RS-700	-1.40629993711
2690	-122.362	37.717	1396.229	2089048.892	6023267.950	0	RS-700	-4.72811968553
2691	-122.362	37.717	1365.455	2089047.736	6023269.316	0	RS-700	-4.92166408805
2692	-122.362	37.717	1739.649	2089045.396	6023271.584	0	RS-700	-2.56824836478
2693	-122.361	37.717	2084.157	2089044.420	6023273.069	0	RS-700	-0.40152880503
2694	-122.361	37.717	2185.894	2089043.663	6023274.471	0	RS-700	0.23832477987
2695	-122.361	37.717	2069.054	2089042.954	6023275.325	0	RS-700	-0.49651459120
2696	-122.361	37.717	2152.432	2089042.581	6023275.780	0	RS-700	0.02787308176
2697	-122.361	37.717	2108.118	2089043.278	6023275.534	0	RS-700	-0.25083157233
2698	-122.361	37.717	2124.877	2089042.868	6023275.989	0	RS-700	-0.14542930818
2699	-122.361	37.717	2106.855	2089042.269	6023276.816	0	RS-700	-0.25877389937

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2700	-122.361	37.717	2156.550	2089041.671	6023277.614	0	RS-700	0.05377119497
2701	-122.361	37.717	2158.881	2089040.885	6023278.640	0	RS-700	0.06843113208
2702	-122.361	37.717	2137.650	2089039.839	6023279.979	0	RS-700	-0.06509566038
2703	-122.361	37.717	2158.754	2089038.974	6023281.350	0	RS-700	0.06763352201
2704	-122.361	37.717	2154.767	2089037.856	6023282.659	0	RS-700	0.04255811321
2705	-122.361	37.717	2021.826	2089036.851	6023283.709	0	RS-700	-0.79354522013
2706	-122.361	37.717	2088.956	2089035.776	6023284.671	0	RS-700	-0.37134597484
2707	-122.361	37.717	2054.942	2089034.814	6023285.433	0	RS-700	-0.58526811321
2708	-122.361	37.717	2062.048	2089033.622	6023286.769	0	RS-700	-0.54057993711
2709	-122.361	37.717	2095.433	2089033.040	6023288.551	0	RS-700	-0.33060930818
2710	-122.361	37.717	2145.662	2089032.504	6023289.871	0	RS-700	-0.01470490566
2711	-122.361	37.717	2122.447	2089031.864	6023290.929	0	RS-700	-0.16071081761
2712	-122.361	37.717	2162.771	2089030.084	6023292.514	0	RS-700	0.09289691824
2713	-122.361	37.717	2042.524	2089029.151	6023293.653	0	RS-700	-0.66337081761
2714	-122.361	37.717	2120.192	2089028.029	6023295.135	0	RS-700	-0.17489496855
2715	-122.361	37.717	2078.535	2089027.680	6023296.227	0	RS-700	-0.43688811321
2716	-122.361	37.717	2110.758	2089026.447	6023297.794	0	RS-700	-0.23422735849
2717	-122.361	37.717	2041.714	2089025.142	6023299.330	0	RS-700	-0.66846333333
2718	-122.361	37.717	2053.040	2089024.093	6023300.784	0	RS-700	-0.59723559748
2719	-122.361	37.717	2034.525	2089023.008	6023302.238	0	RS-700	-0.71367974843
2720	-122.361	37.717	2164.707	2089022.143	6023303.610	0	RS-700	0.10507496855
2721	-122.361	37.717	2059.042	2089020.984	6023305.091	0	RS-700	-0.55948459120
2722	-122.361	37.717	2009.417	2089018.644	6023307.388	0	RS-700	-0.87158974843
2723	-122.361	37.717	2125.975	2089018.335	6023308.308	0	RS-700	-0.13852182390
2724	-122.361	37.717	2085.853	2089017.134	6023310.077	0	RS-700	-0.39086132076
2725	-122.361	37.717	2135.550	2089014.641	6023312.718	0	RS-700	-0.07830006289
2726	-122.361	37.717	2068.430	2089014.400	6023313.871	0	RS-700	-0.50043842767
2727	-122.361	37.717	2083.735	2089012.906	6023315.750	0	RS-700	-0.40418421384
2728	-122.361	37.717	2126.870	2089010.414	6023318.362	0	RS-700	-0.13289534591
2729	-122.361	37.717	2115.870	2089008.961	6023320.011	0	RS-700	-0.20207396226
2730	-122.361	37.717	2180.327	2089007.469	6023321.746	0	RS-700	0.20331251572
2731	-122.361	37.717	2152.868	2089005.975	6023323.626	0	RS-700	0.03061842767
2732	-122.361	37.717	2159.524	2089004.593	6023325.363	0	RS-700	0.07247515723
2733	-122.361	37.717	2184.780	2089003.321	6023327.074	0	RS-700	0.23132106918
2734	-122.361	37.717	2134.083	2089002.121	6023328.815	0	RS-700	-0.08752635220
2735	-122.361	37.717	2130.869	2089001.476	6023330.104	0	RS-700	-0.10774012579
2736	-122.361	37.717	2159.665	2089000.094	6023331.841	0	RS-700	0.07336566038
2737	-122.361	37.717	2201.009	2088998.043	6023334.259	0	RS-700	0.33338880503
2738	-122.361	37.717	2181.898	2088997.468	6023335.694	0	RS-700	0.21319666667
2739	-122.361	37.717	2174.551	2088995.793	6023337.542	0	RS-700	0.16698855346
2740	-122.361	37.717	2215.225	2088994.083	6023339.272	0	RS-700	0.42279584906
2741	-122.361	37.717	2178.883	2088991.926	6023341.515	0	RS-700	0.19423572327
2742	-122.361	37.717	2207.683	2088990.472	6023343.222	0	RS-700	0.37536566038
2743	-122.361	37.717	2283.047	2088989.127	6023344.931	0	RS-700	0.84935176101
2744	-122.361	37.717	2173.104	2088988.000	6023346.644	0	RS-700	0.15788805031

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2745	-122.361	37.717	2081.455	2088986.620	6023348.295	0	RS-700	-0.41852446541
2746	-122.361	37.717	2171.319	2088985.092	6023350.000	0	RS-700	0.14665981132
2747	-122.361	37.717	2144.347	2088983.714	6023351.535	0	RS-700	-0.02297320755
2748	-122.361	37.717	2109.548	2088982.624	6023353.249	0	RS-700	-0.24183886793
2749	-122.361	37.717	2145.096	2088982.016	6023354.539	0	RS-700	-0.01826452830
2750	-122.361	37.717	2050.839	2088980.747	6023356.076	0	RS-700	-0.61107742138
2751	-122.361	37.717	2214.459	2088978.814	6023358.034	0	RS-700	0.41798169811
2752	-122.361	37.717	2158.775	2088977.990	6023359.203	0	RS-700	0.06776522013
2753	-122.361	37.717	2157.988	2088976.647	6023360.797	0	RS-700	0.06281553459
2754	-122.361	37.717	2193.670	2088974.748	6023362.871	0	RS-700	0.28723440252
2755	-122.361	37.717	2118.754	2088973.959	6023364.128	0	RS-700	-0.18393798742
2756	-122.361	37.717	2148.772	2088972.133	6023366.204	0	RS-700	0.00485710692
2757	-122.361	37.717	2160.772	2088969.975	6023368.475	0	RS-700	0.08032930818
2758	-122.361	37.717	2184.222	2088969.110	6023369.876	0	RS-700	0.22781327044
2759	-122.361	37.717	2220.794	2088967.764	6023371.643	0	RS-700	0.45782459120
2760	-122.361	37.717	2276.925	2088966.240	6023373.175	0	RS-700	0.81085062893
2761	-122.361	37.717	2020.725	2088965.044	6023374.713	0	RS-700	-0.80047459120
2762	-122.361	37.717	2109.836	2088963.881	6023376.426	0	RS-700	-0.24002345912
2763	-122.361	37.717	2155.664	2088962.828	6023378.083	0	RS-700	0.04820069182
2764	-122.361	37.717	2144.438	2088961.670	6023379.564	0	RS-700	-0.02240050314
2765	-122.361	37.717	2080.952	2088960.735	6023380.761	0	RS-700	-0.42168805031
2766	-122.361	37.717	2129.548	2088959.539	6023382.299	0	RS-700	-0.11605270440
2767	-122.361	37.717	2106.663	2088958.343	6023383.866	0	RS-700	-0.25998339623
2768	-122.361	37.717	2134.442	2088957.256	6023385.407	0	RS-700	-0.08527276730
2769	-122.361	37.717	2181.003	2088955.251	6023387.334	0	RS-700	0.20756389937
2770	-122.361	37.717	2135.980	2088953.688	6023389.039	0	RS-700	-0.07559622642
2771	-122.361	37.717	2096.646	2088952.417	6023390.692	0	RS-700	-0.32298226415
2772	-122.361	37.717	2303.289	2088951.182	6023392.345	0	RS-700	0.97666308176
2773	-122.361	37.717	2152.202	2088950.022	6023393.884	0	RS-700	0.02642924528
2774	-122.361	37.717	2159.555	2088948.937	6023395.367	0	RS-700	0.07267540881
2775	-122.361	37.717	2204.790	2088947.889	6023396.764	0	RS-700	0.35717251572
2776	-122.361	37.717	2135.764	2088946.878	6023398.161	0	RS-700	-0.07695616352
2777	-122.361	37.717	1900.787	2088945.982	6023399.272	0	RS-700	-1.55479830189
2778	-122.361	37.717	1419.509	2088946.456	6023399.223	0	RS-700	-4.58170440252
2779	-122.361	37.717	987.098	2088945.520	6023400.536	0	RS-700	-7.30127157233
2780	-122.361	37.717	843.180	2088944.772	6023401.504	0	RS-700	-8.20641496855
2781	-122.361	37.717	1021.054	2088943.838	6023402.701	0	RS-700	-7.08770968553
2782	-122.361	37.717	1519.389	2088943.277	6023403.442	0	RS-700	-3.95352559748
2783	-122.361	37.717	2101.874	2088942.229	6023404.839	0	RS-700	-0.29010314465
2784	-122.361	37.717	2143.091	2088941.368	6023406.008	0	RS-700	-0.03087220126
2785	-122.361	37.717	2068.836	2088940.468	6023407.349	0	RS-700	-0.49788767296
2786	-122.361	37.717	1836.649	2088939.534	6023408.517	0	RS-700	-1.95818459119
2787	-122.361	37.717	1597.827	2088938.599	6023409.742	0	RS-700	-3.46020924528
2788	-122.361	37.717	1422.380	2088937.849	6023410.827	0	RS-700	-4.56364584906
2789	-122.361	37.717	1561.820	2088937.102	6023411.767	0	RS-700	-3.68666754717

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2790	-122.361	37.717	1945.599	2088936.316	6023412.822	0	RS-700	-1.27296345912
2791	-122.361	37.717	2119.859	2088935.129	6023413.897	0	RS-700	-0.17698987421
2792	-122.361	37.717	2091.163	2088933.865	6023415.203	0	RS-700	-0.35746761006
2793	-122.361	37.717	2251.726	2088932.705	6023416.771	0	RS-700	0.65236421384
2794	-122.361	37.717	2244.142	2088931.579	6023418.456	0	RS-700	0.60466433962
2795	-122.361	37.717	2273.900	2088930.562	6023420.171	0	RS-700	0.79182150943
2796	-122.361	37.717	2220.138	2088929.624	6023421.541	0	RS-700	0.45369924528
2797	-122.361	37.717	2097.858	2088928.246	6023423.076	0	RS-700	-0.31536150943
2798	-122.361	37.717	2218.794	2088926.760	6023424.522	0	RS-700	0.44524723270
2799	-122.361	37.717	2134.116	2088925.524	6023426.233	0	RS-700	-0.08731786164
2800	-122.361	37.717	2201.686	2088924.290	6023427.887	0	RS-700	0.33764729560
2801	-122.361	37.717	2302.614	2088923.021	6023429.395	0	RS-700	0.97241635220
2802	-122.361	37.717	2187.894	2088921.862	6023430.905	0	RS-700	0.25090584906
2803	-122.361	37.717	2255.928	2088919.297	6023433.544	0	RS-700	0.67879547170
2804	-122.361	37.717	2292.520	2088919.395	6023434.096	0	RS-700	0.90893358491
2805	-122.361	37.717	2214.576	2088918.194	6023435.895	0	RS-700	0.41871836478
2806	-122.361	37.717	2288.060	2088916.959	6023437.548	0	RS-700	0.88087798742
2807	-122.361	37.717	2176.896	2088915.763	6023439.087	0	RS-700	0.18173584906
2808	-122.361	37.717	2247.468	2088914.602	6023440.713	0	RS-700	0.62558786164
2809	-122.361	37.717	2124.184	2088913.367	6023442.395	0	RS-700	-0.14978660377
2810	-122.361	37.717	2189.000	2088912.093	6023444.163	0	RS-700	0.25786421384
2811	-122.361	37.717	2175.773	2088909.381	6023446.887	0	RS-700	0.17467509434
2812	-122.361	37.717	2188.223	2088907.999	6023448.624	0	RS-700	0.25297622642
2813	-122.361	37.717	2266.036	2088907.984	6023449.347	0	RS-700	0.74236314465
2814	-122.361	37.717	2249.576	2088906.712	6023451.057	0	RS-700	0.63884408805
2815	-122.361	37.717	2289.577	2088905.405	6023452.680	0	RS-700	0.89042446541
2816	-122.361	37.717	2140.770	2088904.171	6023454.276	0	RS-700	-0.04547440252
2817	-122.361	37.717	2209.898	2088901.718	6023456.773	0	RS-700	0.38929773585
2818	-122.361	37.717	2215.689	2088900.522	6023458.312	0	RS-700	0.42571672956
2819	-122.361	37.717	2151.980	2088900.622	6023458.805	0	RS-700	0.02503050314
2820	-122.361	37.717	2144.108	2088898.351	6023461.248	0	RS-700	-0.02448106918
2821	-122.361	37.717	2056.635	2088898.487	6023461.772	0	RS-700	-0.57462465409
2822	-122.361	37.717	2170.994	2088896.176	6023464.416	0	RS-700	0.14461452830
2823	-122.361	37.717	2118.433	2088895.017	6023465.926	0	RS-700	-0.18595911950
2824	-122.361	37.717	2220.684	2088893.859	6023467.379	0	RS-700	0.45713056604
2825	-122.361	37.717	2147.775	2088892.885	6023468.748	0	RS-700	-0.00141786164
2826	-122.361	37.717	2142.653	2088893.428	6023468.933	0	RS-700	-0.03363094340
2827	-122.361	37.717	2210.565	2088890.901	6023471.457	0	RS-700	0.39348899371
2828	-122.361	37.717	2275.813	2088891.516	6023471.672	0	RS-700	0.80385628931
2829	-122.361	37.717	2325.595	2088888.915	6023474.253	0	RS-700	1.11695150943
2830	-122.361	37.717	2215.469	2088889.456	6023474.524	0	RS-700	0.42433163522
2831	-122.361	37.717	2301.509	2088887.005	6023476.905	0	RS-700	0.96546358491
2832	-122.361	37.717	2402.219	2088887.400	6023477.203	0	RS-700	1.59886207547
2833	-122.361	37.717	2268.810	2088886.313	6023478.743	0	RS-700	0.75980893082
2834	-122.361	37.717	2284.172	2088883.710	6023481.440	0	RS-700	0.85642748428

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2835	-122.361	37.717	2234.682	2088882.587	6023482.980	0	RS-700	0.54516899371
2836	-122.361	37.717	2227.909	2088881.249	6023484.313	0	RS-700	0.50257125786
2837	-122.361	37.717	2210.780	2088879.767	6023485.614	0	RS-700	0.39484408805
2838	-122.361	37.717	2125.197	2088878.423	6023487.236	0	RS-700	-0.14341710692
2839	-122.361	37.717	2201.880	2088877.189	6023488.890	0	RS-700	0.33887075472
2840	-122.361	37.717	2155.772	2088876.100	6023490.517	0	RS-700	0.04888169811
2841	-122.361	37.717	2208.013	2088875.009	6023492.260	0	RS-700	0.37744257862
2842	-122.361	37.717	2205.236	2088873.667	6023493.854	0	RS-700	0.35997698113
2843	-122.361	37.717	2108.752	2088874.098	6023494.152	0	RS-700	-0.24684050315
2844	-122.361	37.717	2160.650	2088872.680	6023495.859	0	RS-700	0.07956257862
2845	-122.361	37.717	2175.353	2088869.856	6023498.696	0	RS-700	0.17203050315
2846	-122.361	37.717	2111.651	2088870.286	6023499.023	0	RS-700	-0.22861182390
2847	-122.361	37.717	2120.864	2088868.501	6023500.868	0	RS-700	-0.17066849057
2848	-122.361	37.717	2107.760	2088866.384	6023502.938	0	RS-700	-0.25307905660
2849	-122.361	37.717	2076.624	2088865.449	6023504.163	0	RS-700	-0.44890798742
2850	-122.361	37.717	1949.086	2088864.775	6023505.133	0	RS-700	-1.25103226415
2851	-122.361	37.717	1705.354	2088864.400	6023505.647	0	RS-700	-2.78393830189
2852	-122.361	37.717	1953.999	2088863.723	6023506.733	0	RS-700	-1.22013477987
2853	-122.361	37.717	2045.744	2088863.750	6023507.196	0	RS-700	-0.64311974843
2854	-122.361	37.717	2098.832	2088863.223	6023508.082	0	RS-700	-0.30923006289
2855	-122.361	37.717	2095.063	2088862.844	6023508.798	0	RS-700	-0.33294012579
2856	-122.361	37.717	2172.565	2088862.349	6023509.917	0	RS-700	0.15449578616
2857	-122.361	37.717	2070.430	2088862.190	6023510.550	0	RS-700	-0.48786465409
2858	-122.361	37.717	2120.080	2088862.124	6023510.201	0	RS-700	-0.17559484277
2859	-122.361	37.717	2083.432	2088862.161	6023510.173	0	RS-700	-0.40608773585
2860	-122.361	37.717	2051.221	2088862.100	6023509.593	0	RS-700	-0.60867308176
2861	-122.361	37.717	2110.066	2088861.831	6023508.489	0	RS-700	-0.23857672956
2862	-122.361	37.717	2064.737	2088861.124	6023507.375	0	RS-700	-0.52366534591
2863	-122.361	37.717	2110.188	2088860.160	6023506.430	0	RS-700	-0.23781144654
2864	-122.361	37.717	2122.399	2088858.547	6023505.125	0	RS-700	-0.16101333333
2865	-122.361	37.717	2083.954	2088859.115	6023505.860	0	RS-700	-0.40280283019
2866	-122.361	37.717	2118.980	2088859.929	6023507.062	0	RS-700	-0.18251786164
2867	-122.361	37.717	2094.378	2088862.511	6023509.052	0	RS-700	-0.33724779874
2868	-122.361	37.717	2145.552	2088863.882	6023509.744	0	RS-700	-0.01539522013
2869	-122.361	37.717	2080.523	2088865.296	6023510.062	0	RS-700	-0.42438446541
2870	-122.361	37.717	1990.714	2088866.496	6023510.115	0	RS-700	-0.98922094340
2871	-122.361	37.717	2069.637	2088866.313	6023510.169	0	RS-700	-0.49284943396
2872	-122.361	37.717	2057.621	2088865.434	6023510.441	0	RS-700	-0.56842427673
2873	-122.361	37.717	2158.337	2088864.178	6023511.313	0	RS-700	0.06501471698
2874	-122.361	37.717	2050.849	2088863.436	6023511.992	0	RS-700	-0.61101471698
2875	-122.361	37.717	2067.736	2088863.806	6023511.710	0	RS-700	-0.50480270440
2876	-122.361	37.717	2069.325	2088865.137	6023510.724	0	RS-700	-0.49481163522
2877	-122.361	37.717	1984.214	2088866.399	6023509.534	0	RS-700	-1.03009817610
2878	-122.361	37.717	1639.506	2088866.848	6023508.936	0	RS-700	-3.19807371069
2879	-122.361	37.717	1919.880	2088867.823	6023507.508	0	RS-700	-1.43471396226

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2880	-122.361	37.717	1689.858	2088867.973	6023507.309	0	RS-700	-2.88139383648
2881	-122.361	37.717	2052.734	2088867.897	6023507.423	0	RS-700	-0.59915547170
2882	-122.361	37.717	2056.323	2088868.570	6023506.569	0	RS-700	-0.57658723270
2883	-122.361	37.717	2137.663	2088868.384	6023506.767	0	RS-700	-0.06500987421
2884	-122.361	37.717	2178.899	2088868.944	6023506.084	0	RS-700	0.19433163522
2885	-122.361	37.717	2135.979	2088869.734	6023504.827	0	RS-700	-0.07560270440
2886	-122.361	37.717	2154.560	2088870.267	6023503.622	0	RS-700	0.04125842767
2887	-122.361	37.717	2228.686	2088871.024	6023502.191	0	RS-700	0.50745893082
2888	-122.361	37.717	2234.239	2088871.855	6023500.703	0	RS-700	0.54238358491
2889	-122.361	37.717	2203.462	2088873.012	6023499.280	0	RS-700	0.34881534591
2890	-122.361	37.717	2208.465	2088874.131	6023497.971	0	RS-700	0.38028163522
2891	-122.361	37.717	2194.673	2088875.434	6023496.550	0	RS-700	0.29354113208
2892	-122.361	37.717	2174.656	2088876.592	6023495.098	0	RS-700	0.16764849057
2893	-122.361	37.717	2183.686	2088877.640	6023493.643	0	RS-700	0.22444320755
2894	-122.361	37.717	2129.413	2088878.836	6023492.105	0	RS-700	-0.11689641509
2895	-122.361	37.717	2215.900	2088879.996	6023490.566	0	RS-700	0.42704295598
2896	-122.361	37.717	2216.247	2088881.192	6023489.027	0	RS-700	0.42922333333
2897	-122.361	37.717	2234.933	2088882.350	6023487.546	0	RS-700	0.54674528302
2898	-122.361	37.717	2163.884	2088883.436	6023486.092	0	RS-700	0.09989622642
2899	-122.361	37.717	2355.964	2088884.703	6023484.642	0	RS-700	1.30795056604
2900	-122.361	37.717	2316.176	2088885.970	6023483.163	0	RS-700	1.05770874214
2901	-122.361	37.717	2216.472	2088887.165	6023481.682	0	RS-700	0.43064012579
2902	-122.361	37.717	2259.369	2088888.326	6023480.085	0	RS-700	0.70043540881
2903	-122.361	37.717	2250.698	2088889.377	6023478.515	0	RS-700	0.64590113208
2904	-122.361	37.717	2249.034	2088890.538	6023476.889	0	RS-700	0.63543641509
2905	-122.361	37.717	2200.229	2088892.027	6023475.269	0	RS-700	0.32848251572
2906	-122.361	37.717	2156.666	2088893.518	6023473.563	0	RS-700	0.05450433962
2907	-122.361	37.717	2201.999	2088894.973	6023471.798	0	RS-700	0.33961918239
2908	-122.361	37.717	2045.322	2088896.355	6023470.090	0	RS-700	-0.64577660377
2909	-122.361	37.717	2151.091	2088897.552	6023468.465	0	RS-700	0.01943735849
2910	-122.361	37.717	2173.784	2088898.680	6023466.723	0	RS-700	0.16216050315
2911	-122.361	37.717	2135.657	2088899.842	6023465.068	0	RS-700	-0.07763119497
2912	-122.361	37.717	2207.012	2088900.969	6023463.296	0	RS-700	0.37114735849
2913	-122.361	37.717	2251.026	2088902.275	6023461.731	0	RS-700	0.64796276730
2914	-122.361	37.717	2209.129	2088903.583	6023460.050	0	RS-700	0.38445949686
2915	-122.361	37.717	2251.243	2088904.855	6023458.369	0	RS-700	0.64933006289
2916	-122.361	37.717	2231.022	2088906.236	6023456.689	0	RS-700	0.52214911950
2917	-122.361	37.717	2274.472	2088907.543	6023455.066	0	RS-700	0.79542088050
2918	-122.361	37.717	2261.918	2088908.996	6023453.388	0	RS-700	0.71646798742
2919	-122.361	37.717	2251.467	2088910.487	6023451.682	0	RS-700	0.65073358491
2920	-122.361	37.717	2094.740	2088911.799	6023449.799	0	RS-700	-0.33496698113
2921	-122.361	37.717	2136.087	2088913.107	6023448.118	0	RS-700	-0.07492471698
2922	-122.361	37.717	2123.083	2088914.596	6023446.499	0	RS-700	-0.15670817610
2923	-122.361	37.717	2099.063	2088915.904	6023444.847	0	RS-700	-0.30777962264
2924	-122.361	37.717	2175.890	2088917.098	6023443.395	0	RS-700	0.17540836478



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2925	-122.361	37.717	2248.025	2088918.217	6023442.057	0	RS-700	0.62908937107
2926	-122.361	37.717	2232.912	2088919.297	6023440.864	0	RS-700	0.53403779874
2927	-122.361	37.717	2268.699	2088920.193	6023439.782	0	RS-700	0.75911528302
2928	-122.361	37.717	2333.721	2088921.274	6023438.531	0	RS-700	1.16805452830
2929	-122.361	37.717	2174.782	2088922.281	6023437.336	0	RS-700	0.16844327044
2930	-122.361	37.717	2303.403	2088923.288	6023436.112	0	RS-700	0.97737742138
2931	-122.361	37.717	2299.823	2088924.371	6023434.774	0	RS-700	0.95486132076
2932	-122.361	37.717	2200.112	2088925.417	6023433.464	0	RS-700	0.32775113208
2933	-122.361	37.717	2287.822	2088926.539	6023432.010	0	RS-700	0.87938616352
2934	-122.361	37.717	2335.411	2088927.554	6023430.411	0	RS-700	1.17868698113
2935	-122.361	37.717	2284.705	2088928.304	6023429.297	0	RS-700	0.85978069182
2936	-122.361	37.717	2231.911	2088928.603	6023428.898	0	RS-700	0.52774402516
2937	-122.361	37.717	2235.801	2088928.677	6023428.871	0	RS-700	0.55220742138
2938	-122.361	37.717	2351.183	2088929.014	6023428.386	0	RS-700	1.27788339623
2939	-122.361	37.717	2256.812	2088929.836	6023427.360	0	RS-700	0.68434943396
2940	-122.361	37.717	2396.979	2088930.694	6023426.336	0	RS-700	1.56590610063
2941	-122.361	37.717	2340.307	2088931.737	6023425.142	0	RS-700	1.20947515723
2942	-122.361	37.717	2267.690	2088932.892	6023423.834	0	RS-700	0.75276509434
2943	-122.361	37.717	2147.768	2088934.272	6023422.241	0	RS-700	-0.00146094340
2944	-122.361	37.717	2175.670	2088935.652	6023420.591	0	RS-700	0.17402540881
2945	-122.361	37.717	2106.137	2088936.885	6023419.024	0	RS-700	-0.26329207547
2946	-122.361	37.717	2052.738	2088938.081	6023417.486	0	RS-700	-0.59913207547
2947	-122.361	37.717	1773.767	2088939.348	6023416.006	0	RS-700	-2.35366779874
2948	-122.361	37.717	1701.182	2088940.543	6023414.555	0	RS-700	-2.81017528302
2949	-122.361	37.717	1936.700	2088941.628	6023413.072	0	RS-700	-1.32893106918
2950	-122.361	37.717	2225.909	2088942.863	6023411.418	0	RS-700	0.48999635220
2951	-122.361	37.717	2086.851	2088943.985	6023409.965	0	RS-700	-0.38458207547
2952	-122.361	37.717	1873.570	2088945.214	6023408.572	0	RS-700	-1.72597201258
2953	-122.361	37.717	1185.254	2088946.106	6023407.664	0	RS-700	-6.05500811321
2954	-122.361	37.717	941.197	2088947.223	6023406.471	0	RS-700	-7.58995421384
2955	-122.361	37.717	889.095	2088947.744	6023405.874	0	RS-700	-7.91763918239
2956	-122.361	37.717	910.054	2088948.491	6023404.963	0	RS-700	-7.78582270440
2957	-122.361	37.717	1697.612	2088949.535	6023403.740	0	RS-700	-2.83263088050
2958	-122.361	37.717	2129.654	2088950.768	6023402.173	0	RS-700	-0.11538559748
2959	-122.361	37.717	2180.782	2088952.112	6023400.522	0	RS-700	0.20617874214
2960	-122.361	37.717	2160.559	2088953.347	6023398.840	0	RS-700	0.07898754717
2961	-122.361	37.717	2192.674	2088954.612	6023397.476	0	RS-700	0.28096773585
2962	-122.361	37.717	2180.229	2088955.841	6023396.112	0	RS-700	0.20269660377
2963	-122.361	37.717	2183.231	2088957.036	6023394.660	0	RS-700	0.22157603774
2964	-122.361	37.717	2135.532	2088958.304	6023393.123	0	RS-700	-0.07841459120
2965	-122.361	37.717	2228.801	2088959.647	6023391.559	0	RS-700	0.50818245283
2966	-122.361	37.717	2127.768	2088960.989	6023389.965	0	RS-700	-0.12724647799
2967	-122.361	37.717	2160.772	2088962.184	6023388.485	0	RS-700	0.08032968553
2968	-122.361	37.717	2117.076	2088963.119	6023387.259	0	RS-700	-0.19448918239
2969	-122.361	37.717	2180.216	2088963.718	6023386.461	0	RS-700	0.20261610063

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2970	-122.361	37.717	2175.997	2088964.168	6023385.776	0	RS-700	0.17608232704
2971	-122.361	37.717	2157.528	2088964.468	6023385.377	0	RS-700	0.05992446541
2972	-122.361	37.717	2116.077	2088964.580	6023385.234	0	RS-700	-0.20077157233
2973	-122.361	37.717	2160.881	2088964.580	6023385.234	0	RS-700	0.08101540881
2974	-122.361	37.717	2168.999	2088964.768	6023384.949	0	RS-700	0.13206842767
2975	-122.361	37.717	2222.907	2088965.518	6023383.836	0	RS-700	0.47111075472
2976	-122.361	37.717	2097.274	2088966.714	6023382.297	0	RS-700	-0.31903132076
2977	-122.361	37.717	2135.872	2088968.023	6023380.558	0	RS-700	-0.07627578616
2978	-122.361	37.717	2239.687	2088969.221	6023378.933	0	RS-700	0.57664578616
2979	-122.361	37.717	2236.033	2088970.452	6023377.482	0	RS-700	0.55366735849
2980	-122.361	37.717	2324.600	2088971.758	6023375.888	0	RS-700	1.11069471698
2981	-122.361	37.717	2340.840	2088972.952	6023374.436	0	RS-700	1.21283238994
2982	-122.361	37.717	2239.799	2088973.814	6023373.209	0	RS-700	0.57735377359
2983	-122.361	37.717	2273.040	2088974.524	6023372.327	0	RS-700	0.78641773585
2984	-122.361	37.717	2196.788	2088975.011	6023371.642	0	RS-700	0.30684037736
2985	-122.361	37.717	2170.319	2088975.309	6023371.301	0	RS-700	0.14037012579
2986	-122.361	37.717	2264.603	2088975.420	6023371.216	0	RS-700	0.73334993711
2987	-122.361	37.717	2164.668	2088975.457	6023371.188	0	RS-700	0.10482704403
2988	-122.361	37.717	2216.129	2088975.569	6023371.046	0	RS-700	0.42848138365
2989	-122.361	37.717	2197.004	2088976.127	6023370.478	0	RS-700	0.30820264151
2990	-122.361	37.717	2234.133	2088977.244	6023369.227	0	RS-700	0.54171597484
2991	-122.361	37.717	2261.583	2088978.663	6023367.491	0	RS-700	0.71435742138
2992	-122.361	37.717	2185.210	2088980.156	6023365.640	0	RS-700	0.23402377359
2993	-122.361	37.717	2158.956	2088981.578	6023363.759	0	RS-700	0.06890811321
2994	-122.361	37.717	2117.440	2088982.851	6023361.962	0	RS-700	-0.19219893082
2995	-122.361	37.717	2212.571	2088984.199	6023360.108	0	RS-700	0.40610886793
2996	-122.361	37.717	2200.118	2088985.618	6023358.343	0	RS-700	0.32778415094
2997	-122.361	37.717	2115.286	2088987.001	6023356.605	0	RS-700	-0.20574943396
2998	-122.361	37.717	2164.206	2088988.309	6023354.925	0	RS-700	0.10192490566
2999	-122.361	37.717	2106.859	2088989.616	6023353.273	0	RS-700	-0.25874654088
3000	-122.361	37.717	2137.975	2088991.033	6023351.594	0	RS-700	-0.06304880503
3001	-122.361	37.717	2166.779	2088992.450	6023349.944	0	RS-700	0.11810459120
3002	-122.361	37.717	2296.283	2088993.943	6023348.122	0	RS-700	0.93259849057
3003	-122.361	37.717	2256.807	2088995.511	6023346.215	0	RS-700	0.68432238994
3004	-122.361	37.717	2240.691	2088996.819	6023344.534	0	RS-700	0.58296169811
3005	-122.361	37.717	2235.361	2088998.163	6023342.854	0	RS-700	0.54944176101
3006	-122.361	37.717	2132.971	2088999.547	6023341.030	0	RS-700	-0.09452220126
3007	-122.361	37.717	2140.977	2089000.967	6023339.207	0	RS-700	-0.04416955975
3008	-122.361	37.717	2169.233	2089002.425	6023337.326	0	RS-700	0.13354352201
3009	-122.361	37.717	2197.892	2089003.920	6023335.418	0	RS-700	0.31378352201
3010	-122.361	37.717	2109.390	2089005.378	6023333.537	0	RS-700	-0.24283245283
3011	-122.361	37.717	2160.445	2089006.983	6023331.573	0	RS-700	0.07827125786
3012	-122.361	37.717	2123.064	2089008.442	6023329.635	0	RS-700	-0.15683037736
3013	-122.361	37.717	2174.781	2089009.901	6023327.668	0	RS-700	0.16843452830
3014	-122.361	37.717	2147.628	2089011.286	6023325.757	0	RS-700	-0.00233773585

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3015	-122.361	37.717	2103.492	2089012.673	6023323.788	0	RS-700	-0.27992333333
3016	-122.361	37.717	2147.556	2089014.093	6023321.965	0	RS-700	-0.00279459119
3017	-122.361	37.717	2080.632	2089015.514	6023320.113	0	RS-700	-0.42369628931
3018	-122.361	37.717	2035.628	2089017.046	6023318.147	0	RS-700	-0.70674358491
3019	-122.361	37.717	2158.774	2089018.612	6023316.356	0	RS-700	0.06775911950
3020	-122.361	37.717	2126.405	2089020.104	6023314.563	0	RS-700	-0.13581572327
3021	-122.361	37.717	2130.544	2089021.633	6023312.742	0	RS-700	-0.10978654088
3022	-122.361	37.717	2084.482	2089023.090	6023310.919	0	RS-700	-0.39948534591
3023	-122.361	37.717	2036.630	2089024.510	6023309.096	0	RS-700	-0.70043811321
3024	-122.361	37.717	2094.064	2089025.932	6023307.215	0	RS-700	-0.33922207547
3025	-122.361	37.717	2221.129	2089027.463	6023305.307	0	RS-700	0.45993176101
3026	-122.361	37.717	2076.954	2089028.919	6023303.484	0	RS-700	-0.44683018868
3027	-122.361	37.717	2032.226	2089030.374	6023301.777	0	RS-700	-0.72813704403
3028	-122.361	37.717	2112.548	2089031.718	6023300.097	0	RS-700	-0.22296578616
3029	-122.361	37.717	2095.752	2089033.100	6023298.389	0	RS-700	-0.32860559748
3030	-122.361	37.717	2113.852	2089034.557	6023296.537	0	RS-700	-0.21476584906
3031	-122.361	37.717	2130.663	2089035.904	6023294.713	0	RS-700	-0.10903622642
3032	-122.361	37.717	2180.217	2089037.360	6023292.948	0	RS-700	0.20262207547
3033	-122.361	37.717	2090.753	2089038.562	6023291.091	0	RS-700	-0.36004440252
3034	-122.361	37.717	2091.750	2089039.731	6023289.061	0	RS-700	-0.35377069182
3035	-122.361	37.717	2097.856	2089041.083	6023287.004	0	RS-700	-0.31537327044
3036	-122.361	37.717	2198.790	2089042.719	6023285.330	0	RS-700	0.31943647799
3037	-122.361	37.717	2150.227	2089044.392	6023283.628	0	RS-700	0.01400830189
3038	-122.361	37.717	2135.196	2089046.135	6023282.042	0	RS-700	-0.08052654088
3039	-122.361	37.717	2170.990	2089047.511	6023280.594	0	RS-700	0.14458968554
3040	-122.361	37.717	2128.078	2089048.519	6023279.370	0	RS-700	-0.12529301887
3041	-122.361	37.717	2123.314	2089049.420	6023277.999	0	RS-700	-0.15525540881
3042	-122.361	37.717	2075.633	2089050.287	6023276.541	0	RS-700	-0.45513874214
3043	-122.361	37.717	1600.626	2089051.447	6023275.002	0	RS-700	-3.44260616352
3044	-122.361	37.717	1958.399	2089052.754	6023273.350	0	RS-700	-1.19245849057
3045	-122.362	37.717	2117.494	2089054.137	6023271.555	0	RS-700	-0.19186106918
3046	-122.362	37.717	2170.997	2089055.301	6023269.785	0	RS-700	0.14463440252
3047	-122.362	37.717	1990.208	2089056.202	6023268.472	0	RS-700	-0.99240264151
3048	-122.362	37.717	1926.686	2089056.577	6023267.929	0	RS-700	-1.39190943396
3049	-122.362	37.717	1682.363	2089056.990	6023267.272	0	RS-700	-2.92853182390
3050	-122.362	37.717	1553.558	2089057.292	6023266.757	0	RS-700	-3.73863100629
3051	-122.362	37.717	1444.660	2089057.405	6023266.586	0	RS-700	-4.42352459119
3052	-122.362	37.717	1279.376	2089057.816	6023266.045	0	RS-700	-5.46304553459
3053	-122.362	37.717	1147.732	2089058.191	6023265.502	0	RS-700	-6.29099603774
3054	-122.362	37.717	1139.186	2089058.713	6023264.876	0	RS-700	-6.34474377358
3055	-122.362	37.717	1217.223	2089059.421	6023264.080	0	RS-700	-5.85394113208
3056	-122.362	37.717	1433.649	2089060.241	6023263.113	0	RS-700	-4.49277056604
3057	-122.362	37.717	1934.501	2089061.177	6023261.859	0	RS-700	-1.34276088050
3058	-122.362	37.717	2119.973	2089062.116	6023260.431	0	RS-700	-0.17627081761
3059	-122.362	37.717	2141.548	2089063.385	6023258.865	0	RS-700	-0.04057918239

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3060	-122.362	37.717	2077.838	2089064.620	6023257.212	0	RS-700	-0.44126742138
3061	-122.362	37.717	2126.870	2089065.855	6023255.529	0	RS-700	-0.13289534591
3062	-122.362	37.717	2154.560	2089066.981	6023253.845	0	RS-700	0.04125679245
3063	-122.362	37.717	2139.410	2089068.073	6023252.073	0	RS-700	-0.05402679245
3064	-122.362	37.717	2228.901	2089069.381	6023250.363	0	RS-700	0.50880962264
3065	-122.362	37.717	2100.544	2089070.580	6023248.709	0	RS-700	-0.29846679245
3066	-122.362	37.717	2149.198	2089071.779	6023247.026	0	RS-700	0.00753264151
3067	-122.362	37.717	2167.669	2089072.868	6023245.370	0	RS-700	0.12370383648
3068	-122.362	37.717	2084.546	2089074.065	6023243.744	0	RS-700	-0.39908025157
3069	-122.362	37.717	2181.664	2089075.407	6023242.209	0	RS-700	0.21172031447
3070	-122.362	37.718	2119.073	2089076.675	6023240.730	0	RS-700	-0.18192905660
3071	-122.362	37.718	2134.191	2089077.982	6023239.107	0	RS-700	-0.08684899371
3072	-122.362	37.718	2228.241	2089079.399	6023237.428	0	RS-700	0.50465987421
3073	-122.362	37.718	2349.657	2089080.783	6023235.604	0	RS-700	1.26828459119
3074	-122.362	37.718	2399.102	2089082.128	6023233.866	0	RS-700	1.57925981132
3075	-122.362	37.718	2574.179	2089083.543	6023232.303	0	RS-700	1.10902815249
3076	-122.362	37.718	2682.231	2089084.296	6023231.074	0	RS-700	1.42589730205
3077	-122.362	37.718	2593.064	2089085.158	6023229.876	0	RS-700	1.16441093842
3078	-122.362	37.718	2127.444	2089086.023	6023228.505	0	RS-700	-0.20104466276
3079	-122.362	37.718	1799.105	2089086.815	6023227.132	0	RS-700	-1.16391595308
3080	-122.362	37.718	1605.332	2089087.606	6023225.817	0	RS-700	-1.73216492669
3081	-122.362	37.718	2029.725	2089088.691	6023224.334	0	RS-700	-0.48760932551
3082	-122.362	37.718	2600.714	2089089.707	6023222.734	0	RS-700	1.18684331378
3083	-122.362	37.718	2522.648	2089091.052	6023221.025	0	RS-700	0.95791222874
3084	-122.362	37.718	2242.019	2089092.500	6023219.607	0	RS-700	0.13495384164
3085	-122.362	37.718	2187.674	2089093.444	6023217.948	0	RS-700	-0.02441633431
3086	-122.362	37.718	2180.895	2089094.417	6023216.637	0	RS-700	-0.04429624633
3087	-122.362	37.718	2237.690	2089095.361	6023214.949	0	RS-700	0.56408610063
3088	-122.362	37.718	2231.135	2089096.669	6023213.268	0	RS-700	0.52285867925
3089	-122.362	37.718	2183.684	2089097.905	6023211.528	0	RS-700	0.22442729560
3090	-122.362	37.718	2186.025	2089099.139	6023209.903	0	RS-700	0.23915144654
3091	-122.362	37.718	2270.381	2089100.517	6023208.368	0	RS-700	0.76968943396
3092	-122.362	37.718	2186.688	2089101.859	6023206.833	0	RS-700	0.24332283019
3093	-122.362	37.718	2202.898	2089103.093	6023205.237	0	RS-700	0.34527245283
3094	-122.362	37.718	2222.246	2089104.439	6023203.441	0	RS-700	0.46695540881
3095	-122.362	37.718	2235.578	2089105.822	6023201.675	0	RS-700	0.55080264151
3096	-122.362	37.718	2147.441	2089107.205	6023199.909	0	RS-700	-0.00351289308
3097	-122.362	37.718	2157.664	2089108.548	6023198.287	0	RS-700	0.06078081761
3098	-122.362	37.718	2138.446	2089109.856	6023196.606	0	RS-700	-0.06009025157
3099	-122.362	37.718	2110.546	2089111.128	6023194.924	0	RS-700	-0.23555811321
3100	-122.362	37.718	2237.698	2089112.473	6023193.215	0	RS-700	0.56413603774
3101	-122.362	37.718	2136.867	2089113.897	6023191.219	0	RS-700	-0.07002194969
3102	-122.362	37.718	2161.668	2089115.246	6023189.307	0	RS-700	0.08596201258
3103	-122.362	37.718	2200.567	2089116.593	6023187.511	0	RS-700	0.33060761006
3104	-122.362	37.718	2214.458	2089117.977	6023185.658	0	RS-700	0.41797710692

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3105	-122.362	37.718	2209.463	2089119.324	6023183.834	0	RS-700	0.38655660377
3106	-122.362	37.718	2163.090	2089120.783	6023181.924	0	RS-700	0.09490345912
3107	-122.362	37.718	2241.256	2089122.276	6023180.102	0	RS-700	0.58651270440
3108	-122.362	37.718	2253.920	2089123.734	6023178.193	0	RS-700	0.66616075472
3109	-122.362	37.718	2300.940	2089125.192	6023176.284	0	RS-700	0.96188383648
3110	-122.362	37.718	2244.345	2089126.650	6023174.432	0	RS-700	0.60594559748
3111	-122.362	37.718	2263.148	2089127.996	6023172.637	0	RS-700	0.72420182390
3112	-122.362	37.718	2251.030	2089129.490	6023170.786	0	RS-700	0.64798471698
3113	-122.362	37.718	2312.515	2089130.945	6023169.021	0	RS-700	1.03468679245
3114	-122.362	37.718	2358.963	2089132.439	6023167.170	0	RS-700	1.32681194969
3115	-122.362	37.718	2257.580	2089134.045	6023165.177	0	RS-700	0.68918540881
3116	-122.362	37.718	2336.956	2089135.543	6023163.095	0	RS-700	1.18840490566
3117	-122.362	37.718	2227.982	2089137.041	6023161.013	0	RS-700	0.50303308176
3118	-122.362	37.718	2263.171	2089138.574	6023158.990	0	RS-700	0.72434698113
3119	-122.362	37.718	2295.279	2089140.036	6023156.936	0	RS-700	0.92628408805
3120	-122.362	37.718	2307.184	2089141.383	6023155.111	0	RS-700	1.00115786164
3121	-122.362	37.718	2220.787	2089142.836	6023153.462	0	RS-700	0.45777685535
3122	-122.362	37.718	2346.607	2089144.110	6023151.694	0	RS-700	1.24909962264
3123	-122.362	37.718	2219.129	2089145.345	6023150.011	0	RS-700	0.44735106918
3124	-122.362	37.718	2273.390	2089146.767	6023148.101	0	RS-700	0.78861622642
3125	-122.362	37.718	2392.850	2089148.297	6023146.251	0	RS-700	1.53993666667
3126	-122.362	37.718	2213.231	2089149.791	6023144.372	0	RS-700	0.41026069182
3127	-122.362	37.718	2289.281	2089151.214	6023142.433	0	RS-700	0.88855729560
3128	-122.362	37.718	2210.911	2089152.598	6023140.580	0	RS-700	0.39566654088
3129	-122.362	37.718	2238.579	2089153.945	6023138.784	0	RS-700	0.56968144654
3130	-122.362	37.718	2194.574	2089155.329	6023136.931	0	RS-700	0.29292018868
3131	-122.362	37.718	2313.758	2089156.753	6023134.934	0	RS-700	1.04250081761
3132	-122.362	37.718	2268.490	2089158.064	6023133.109	0	RS-700	0.75779672956
3133	-122.362	37.718	2189.224	2089159.375	6023131.254	0	RS-700	0.25926943396
3134	-122.362	37.718	2132.981	2089160.725	6023129.314	0	RS-700	-0.09446220126
3135	-122.362	37.718	2220.454	2089162.186	6023127.289	0	RS-700	0.45568283019
3136	-122.362	37.718	2277.494	2089163.676	6023125.583	0	RS-700	0.81442647799
3137	-122.362	37.718	2319.951	2089164.755	6023124.476	0	RS-700	1.08145578616
3138	-122.362	37.718	2267.931	2089166.049	6023123.460	0	RS-700	0.75428522013
3139	-122.362	37.718	2205.679	2089166.641	6023123.009	0	RS-700	0.36276037736
3140	-122.362	37.718	2257.919	2089166.605	6023123.009	0	RS-700	0.69131496855
3141	-122.362	37.718	2211.351	2089166.679	6023122.923	0	RS-700	0.39843308176
3142	-122.362	37.718	2201.118	2089167.271	6023122.472	0	RS-700	0.33407345912
3143	-122.362	37.718	2252.346	2089166.900	6023122.812	0	RS-700	0.65626364780
3144	-122.362	37.718	2289.021	2089165.422	6023123.882	0	RS-700	0.88692484277
3145	-122.362	37.718	2238.251	2089164.203	6023124.725	0	RS-700	0.56761522013
3146	-122.362	37.718	2188.893	2089164.054	6023124.896	0	RS-700	0.25718911950
3147	-122.362	37.718	2166.897	2089164.392	6023124.411	0	RS-700	0.11885138365
3148	-122.362	37.718	2148.667	2089165.021	6023123.874	0	RS-700	0.00419672956
3149	-122.362	37.718	2235.690	2089165.903	6023123.486	0	RS-700	0.55151163522

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3150	-122.362	37.718	2147.306	2089166.963	6023123.305	0	RS-700	-0.00436194969
3151	-122.362	37.718	2161.681	2089167.547	6023123.259	0	RS-700	0.08604566038
3152	-122.362	37.718	2199.339	2089168.053	6023123.442	0	RS-700	0.32288616352
3153	-122.362	37.718	2198.555	2089168.486	6023123.625	0	RS-700	0.31795723270
3154	-122.362	37.718	2145.564	2089169.099	6023123.926	0	RS-700	-0.01531823899
3155	-122.362	37.718	2205.006	2089170.224	6023124.151	0	RS-700	0.35852918239
3156	-122.362	37.718	2279.824	2089171.465	6023124.002	0	RS-700	0.82908345912
3157	-122.362	37.718	2260.923	2089172.641	6023123.447	0	RS-700	0.71020459120
3158	-122.362	37.718	2230.034	2089173.383	6023122.796	0	RS-700	0.51593805031
3159	-122.362	37.718	2313.289	2089173.120	6023123.196	0	RS-700	1.03955075472
3160	-122.362	37.718	2198.787	2089172.146	6023124.536	0	RS-700	0.31941452830
3161	-122.362	37.718	2277.042	2089171.774	6023124.963	0	RS-700	0.81158176101
3162	-122.362	37.718	2274.917	2089172.255	6023124.567	0	RS-700	0.79821861635
3163	-122.362	37.718	2358.137	2089172.887	6023123.915	0	RS-700	1.32161849057
3164	-122.362	37.718	2211.362	2089173.491	6023122.827	0	RS-700	0.39850062893
3165	-122.362	37.718	2251.701	2089173.818	6023121.069	0	RS-700	0.65220635220
3166	-122.362	37.718	2250.036	2089173.342	6023119.382	0	RS-700	0.64173704403
3167	-122.362	37.718	2277.354	2089172.495	6023117.976	0	RS-700	0.81354786164
3168	-122.362	37.718	2314.175	2089171.534	6023116.858	0	RS-700	1.04512459119
3169	-122.362	37.718	2264.941	2089170.246	6023115.733	0	RS-700	0.73547962264
3170	-122.362	37.718	2226.580	2089169.021	6023115.043	0	RS-700	0.49421610063
3171	-122.362	37.718	2211.043	2089168.157	6023114.534	0	RS-700	0.39649597484
3172	-122.362	37.718	2264.704	2089168.373	6023114.683	0	RS-700	0.73398937107
3173	-122.362	37.718	2243.138	2089169.774	6023115.665	0	RS-700	0.59835132076
3174	-122.362	37.718	2205.122	2089171.316	6023116.853	0	RS-700	0.35925654088
3175	-122.362	37.718	2271.911	2089172.608	6023117.834	0	RS-700	0.77931459120
3176	-122.362	37.718	2231.715	2089173.218	6023118.280	0	RS-700	0.52651000000
3177	-122.362	37.718	2265.036	2089172.787	6023117.953	0	RS-700	0.73607635220
3178	-122.362	37.718	2268.927	2089171.887	6023117.443	0	RS-700	0.76054584906
3179	-122.362	37.718	2211.015	2089171.024	6023116.876	0	RS-700	0.39632276730
3180	-122.362	37.718	2391.589	2089170.349	6023116.024	0	RS-700	1.53200622642
3181	-122.362	37.718	2287.382	2089169.862	6023114.857	0	RS-700	0.87661345912
3182	-122.362	37.718	2388.098	2089169.669	6023113.609	0	RS-700	1.51004943396
3183	-122.362	37.718	2285.592	2089169.840	6023112.311	0	RS-700	0.86536081761
3184	-122.362	37.718	2327.192	2089170.296	6023111.365	0	RS-700	1.12699352201
3185	-122.362	37.718	2225.909	2089171.076	6023110.600	0	RS-700	0.48999496855
3186	-122.362	37.718	2292.509	2089172.070	6023110.070	0	RS-700	0.90885874214
3187	-122.362	37.718	2314.065	2089172.874	6023109.912	0	RS-700	1.04443163522
3188	-122.362	37.718	2251.812	2089173.679	6023109.726	0	RS-700	0.65290471698
3189	-122.362	37.718	2306.165	2089174.196	6023109.389	0	RS-700	0.99474754717
3190	-122.362	37.718	2331.721	2089173.599	6023110.100	0	RS-700	1.15547528302
3191	-122.362	37.718	2230.019	2089172.512	6023111.641	0	RS-700	0.51584220126
3192	-122.362	37.718	2294.049	2089171.646	6023113.070	0	RS-700	0.91854716981
3193	-122.362	37.718	2315.398	2089171.194	6023113.813	0	RS-700	1.05282050314
3194	-122.362	37.718	2360.081	2089171.533	6023113.241	0	RS-700	1.33384081761

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3195	-122.362	37.718	2338.683	2089171.951	6023112.382	0	RS-700	1.19926591195
3196	-122.362	37.718	2259.566	2089172.772	6023111.415	0	RS-700	0.70167320755
3197	-122.362	37.718	2318.634	2089173.590	6023110.563	0	RS-700	1.07317257862
3198	-122.362	37.718	2339.856	2089174.110	6023110.052	0	RS-700	1.20664264151
3199	-122.362	37.718	2362.325	2089175.000	6023109.260	0	RS-700	1.34795314465
3200	-122.362	37.718	2351.962	2089176.260	6023108.128	0	RS-700	1.28277874214
3201	-122.362	37.718	2304.705	2089177.522	6023106.967	0	RS-700	0.98556849057
3202	-122.362	37.718	2299.169	2089178.642	6023105.601	0	RS-700	0.95075037736
3203	-122.362	37.718	2333.068	2089179.689	6023104.204	0	RS-700	1.16394955975
3204	-122.362	37.718	2296.594	2089180.589	6023102.891	0	RS-700	0.93455421384
3205	-122.362	37.718	2320.051	2089181.452	6023101.635	0	RS-700	1.08208371069
3206	-122.362	37.718	2254.698	2089182.276	6023100.494	0	RS-700	0.67105396226
3207	-122.362	37.718	2252.807	2089183.174	6023099.268	0	RS-700	0.65916446541
3208	-122.362	37.718	2228.467	2089184.073	6023098.013	0	RS-700	0.50608025157
3209	-122.362	37.718	2229.573	2089184.747	6023097.101	0	RS-700	0.51303628931
3210	-122.362	37.718	2186.467	2089185.083	6023096.703	0	RS-700	0.24193037736
3211	-122.362	37.718	2302.818	2089185.119	6023096.703	0	RS-700	0.97369968554
3212	-122.362	37.718	2303.702	2089185.083	6023096.703	0	RS-700	0.97925962264
3213	-122.362	37.718	2274.038	2089185.119	6023096.703	0	RS-700	0.79269037736
3214	-122.362	37.718	2256.148	2089185.119	6023096.703	0	RS-700	0.68017855346
3215	-122.362	37.718	2261.808	2089185.119	6023096.703	0	RS-700	0.71577132076
3216	-122.362	37.718	2227.244	2089185.119	6023096.703	0	RS-700	0.49838855346
3217	-122.362	37.718	2292.590	2089185.119	6023096.703	0	RS-700	0.90937327044
3218	-122.362	37.718	2234.688	2089185.083	6023096.703	0	RS-700	0.54520591195
3219	-122.362	37.718	2320.483	2089185.083	6023096.703	0	RS-700	1.08480000000
3220	-122.362	37.718	2298.050	2089185.083	6023096.703	0	RS-700	0.94370943396
3221	-122.362	37.718	2233.023	2089185.119	6023096.703	0	RS-700	0.53473616352
3222	-122.362	37.718	2258.923	2089185.119	6023096.703	0	RS-700	0.69763201258
3223	-122.362	37.718	2392.859	2089185.119	6023096.703	0	RS-700	1.53999301887
3224	-122.362	37.718	2325.718	2089185.418	6023096.333	0	RS-700	1.11772553459
3225	-122.362	37.718	2279.935	2089186.275	6023095.338	0	RS-700	0.82978100629
3226	-122.362	37.718	2278.269	2089187.468	6023093.944	0	RS-700	0.81930238994
3227	-122.362	37.718	2335.975	2089188.740	6023092.262	0	RS-700	1.18223088050
3228	-122.362	37.718	2468.893	2089190.085	6023090.582	0	RS-700	2.01819257862
3229	-122.362	37.718	2375.850	2089191.507	6023088.672	0	RS-700	1.43301742138
3230	-122.362	37.718	2453.757	2089193.072	6023086.852	0	RS-700	1.92299792453
3231	-122.362	37.718	2301.408	2089194.411	6023085.461	0	RS-700	0.96483270440
3232	-122.362	37.718	2483.017	2089195.152	6023084.810	0	RS-700	2.10702251572
3233	-122.362	37.718	2386.976	2089195.152	6023084.839	0	RS-700	1.50299628931
3234	-122.362	37.718	2435.353	2089194.002	6023085.887	0	RS-700	1.80725018868
3235	-122.362	37.718	2473.022	2089193.109	6023086.824	0	RS-700	2.04416616352
3236	-122.362	37.718	2375.733	2089192.850	6023087.050	0	RS-700	1.43228352201
3237	-122.362	37.718	2341.069	2089193.555	6023086.399	0	RS-700	1.21426924528
3238	-122.362	37.718	2347.948	2089194.635	6023085.205	0	RS-700	1.25753327044
3239	-122.362	37.718	2324.949	2089195.796	6023083.579	0	RS-700	1.11288704403

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3240	-122.362	37.718	2316.832	2089197.139	6023081.957	0	RS-700	1.06183691824
3241	-122.362	37.718	2288.358	2089198.381	6023079.985	0	RS-700	0.88275628931
3242	-122.362	37.718	2319.833	2089199.658	6023078.015	0	RS-700	1.08070855346
3243	-122.362	37.718	2322.176	2089201.081	6023076.076	0	RS-700	1.09544924528
3244	-122.362	37.718	2379.735	2089202.319	6023074.249	0	RS-700	1.45745169811
3245	-122.362	37.718	2280.045	2089203.627	6023072.539	0	RS-700	0.83047465409
3246	-122.362	37.718	2319.064	2089204.644	6023070.852	0	RS-700	1.07587113208
3247	-122.362	37.718	2338.718	2089205.696	6023069.253	0	RS-700	1.19948345912
3248	-122.362	37.718	2429.604	2089206.854	6023067.772	0	RS-700	1.77109415094
3249	-122.362	37.718	2419.995	2089207.795	6023066.228	0	RS-700	1.71066000000
3250	-122.362	37.718	2378.602	2089208.515	6023064.854	0	RS-700	1.45032402516
3251	-122.362	37.718	2492.556	2089209.373	6023063.830	0	RS-700	2.16701679245
3252	-122.362	37.718	2422.772	2089210.116	6023063.092	0	RS-700	1.72812446541
3253	-122.362	37.718	2460.880	2089210.749	6023062.382	0	RS-700	1.96779786164
3254	-122.362	37.718	2318.410	2089211.611	6023061.184	0	RS-700	1.07176301887
3255	-122.362	37.718	2278.377	2089212.913	6023059.792	0	RS-700	0.81998276730
3256	-122.362	37.718	2259.806	2089214.513	6023058.088	0	RS-700	0.70318433962
3257	-122.362	37.718	2267.808	2089215.792	6023056.059	0	RS-700	0.75350836478
3258	-122.362	37.718	2179.903	2089217.144	6023053.974	0	RS-700	0.20064603774
3259	-122.362	37.718	2202.680	2089218.676	6023052.038	0	RS-700	0.34389911950
3260	-122.362	37.718	2196.227	2089220.205	6023050.217	0	RS-700	0.30331496855
3261	-122.362	37.718	2226.687	2089221.662	6023048.365	0	RS-700	0.49488578616
3262	-122.362	37.718	2195.450	2089223.009	6023046.569	0	RS-700	0.29842968554
3263	-122.362	37.718	2161.674	2089224.427	6023044.891	0	RS-700	0.08600113208
3264	-122.362	37.718	2229.248	2089225.805	6023043.327	0	RS-700	0.51099616352
3265	-122.362	37.718	2113.647	2089226.967	6023041.672	0	RS-700	-0.21605383648
3266	-122.362	37.718	2220.133	2089228.238	6023040.019	0	RS-700	0.45366477987
3267	-122.362	37.718	2213.683	2089229.403	6023038.220	0	RS-700	0.41309937107
3268	-122.362	37.718	2235.928	2089230.457	6023036.505	0	RS-700	0.55300440252
3269	-122.362	37.718	2210.687	2089231.365	6023034.816	0	RS-700	0.39425723270
3270	-122.362	37.718	2212.355	2089232.271	6023033.214	0	RS-700	0.40474534591
3271	-122.362	37.718	2154.239	2089233.359	6023031.616	0	RS-700	0.03923704403
3272	-122.362	37.718	2200.231	2089234.445	6023030.104	0	RS-700	0.32849911950
3273	-122.362	37.718	2259.917	2089235.459	6023028.562	0	RS-700	0.70387742138
3274	-122.362	37.718	2186.235	2089236.392	6023027.395	0	RS-700	0.24046987421
3275	-122.362	37.718	2231.022	2089237.439	6023026.027	0	RS-700	0.52214836478
3276	-122.362	37.718	2204.671	2089238.748	6023024.317	0	RS-700	0.35642213837
3277	-122.362	37.718	2230.128	2089240.022	6023022.549	0	RS-700	0.51652823899
3278	-122.362	37.718	2215.003	2089241.368	6023020.753	0	RS-700	0.42140213837
3279	-122.362	37.718	2254.915	2089242.641	6023019.014	0	RS-700	0.67242364780
3280	-122.362	37.718	2331.077	2089243.951	6023017.246	0	RS-700	1.15142666667
3281	-122.362	37.718	2144.867	2089245.184	6023015.679	0	RS-700	-0.01970679245
3282	-122.362	37.718	2240.250	2089246.454	6023014.085	0	RS-700	0.58018786164
3283	-122.362	37.718	2333.563	2089247.800	6023012.347	0	RS-700	1.16706465409
3284	-122.362	37.718	2149.996	2089249.144	6023010.695	0	RS-700	0.01255471698



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3285	-122.362	37.718	2303.594	2089250.562	6023008.959	0	RS-700	0.97857811321
3286	-122.362	37.718	2209.903	2089252.053	6023007.224	0	RS-700	0.38932496855
3287	-122.362	37.718	2161.999	2089253.546	6023005.431	0	RS-700	0.08804679245
3288	-122.362	37.718	2298.841	2089254.966	6023003.608	0	RS-700	0.94868584906
3289	-122.362	37.718	2211.587	2089256.423	6023001.756	0	RS-700	0.39991867925
3290	-122.362	37.718	2217.682	2089257.920	6022999.761	0	RS-700	0.43824842767
3291	-122.362	37.718	2131.870	2089259.415	6022997.824	0	RS-700	-0.10144610063
3292	-122.362	37.718	2303.283	2089260.837	6022995.914	0	RS-700	0.97661968554
3293	-122.362	37.718	2275.044	2089262.294	6022994.062	0	RS-700	0.79902132076
3294	-122.362	37.718	2241.570	2089263.712	6022992.354	0	RS-700	0.58849094340
3295	-122.362	37.718	2325.613	2089265.132	6022990.560	0	RS-700	1.11706207547
3296	-122.362	37.718	2240.029	2089266.588	6022988.738	0	RS-700	0.57880113208
3297	-122.363	37.718	2351.779	2089268.046	6022986.886	0	RS-700	1.28162698113
3298	-122.363	37.718	2381.614	2089269.391	6022985.177	0	RS-700	1.46926867925
3299	-122.363	37.718	2316.831	2089270.736	6022983.439	0	RS-700	1.06183301887
3300	-122.363	37.718	2319.683	2089272.085	6022981.557	0	RS-700	1.07976496855
3301	-122.363	37.718	2365.327	2089273.469	6022979.704	0	RS-700	1.36683503145
3302	-122.363	37.718	2398.725	2089274.820	6022977.734	0	RS-700	1.57688572327
3303	-122.363	37.718	2312.290	2089276.313	6022975.884	0	RS-700	1.03327125786
3304	-122.363	37.718	2369.968	2089277.625	6022974.029	0	RS-700	1.39602484277
3305	-122.363	37.718	2383.205	2089278.972	6022972.205	0	RS-700	1.47927911950
3306	-122.363	37.718	2273.937	2089280.281	6022970.466	0	RS-700	0.79205647799
3307	-122.363	37.718	2391.575	2089281.701	6022968.672	0	RS-700	1.53191842767
3308	-122.363	37.718	2373.968	2089283.120	6022966.906	0	RS-700	1.42118490566
3309	-122.363	37.718	2300.336	2089284.395	6022965.080	0	RS-700	0.95809031447
3310	-122.363	37.718	2330.950	2089285.737	6022963.516	0	RS-700	1.15063157233
3311	-122.363	37.718	2273.382	2089287.117	6022961.894	0	RS-700	0.78856408805
3312	-122.363	37.718	2348.846	2089288.497	6022960.244	0	RS-700	1.26318125786
3313	-122.363	37.718	2356.838	2089289.845	6022958.419	0	RS-700	1.31344358491
3314	-122.363	37.718	2319.424	2089291.119	6022956.622	0	RS-700	1.07813754717
3315	-122.363	37.718	2321.717	2089292.461	6022955.057	0	RS-700	1.09255911950
3316	-122.363	37.718	2355.718	2089293.585	6022953.460	0	RS-700	1.30640515723
3317	-122.363	37.718	2285.932	2089294.559	6022952.090	0	RS-700	0.86749949686
3318	-122.363	37.718	2276.931	2089295.234	6022951.149	0	RS-700	0.81088943396
3319	-122.363	37.718	2346.954	2089295.308	6022951.064	0	RS-700	1.25128415094
3320	-122.363	37.718	2395.195	2089294.382	6022951.826	0	RS-700	1.55468817610
3321	-122.363	37.718	2338.598	2089292.295	6022952.421	0	RS-700	1.19873094340
3322	-122.363	37.718	2299.170	2089290.245	6022952.930	0	RS-700	0.95075213837
3323	-122.363	37.718	2212.794	2089289.474	6022953.233	0	RS-700	0.40750716981
3324	-122.363	37.718	2332.953	2089289.733	6022953.065	0	RS-700	1.16322899371
3325	-122.363	37.718	2290.042	2089290.615	6022952.619	0	RS-700	0.89334509434
3326	-122.363	37.718	2300.400	2089291.676	6022952.409	0	RS-700	0.95848798742
3327	-122.363	37.718	2281.045	2089293.056	6022952.581	0	RS-700	0.83676308176
3328	-122.363	37.718	2233.357	2089294.281	6022953.242	0	RS-700	0.53683421384
3329	-122.363	37.718	2325.599	2089295.391	6022954.219	0	RS-700	1.11697465409

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3330	-122.363	37.718	2306.953	2089296.029	6022955.099	0	RS-700	0.99970396226
3331	-122.363	37.718	2153.228	2089296.346	6022955.655	0	RS-700	0.03288182390
3332	-122.363	37.718	2259.582	2089297.056	6022956.537	0	RS-700	0.70177339623
3333	-122.363	37.718	2253.473	2089297.626	6022957.185	0	RS-700	0.66335188679
3334	-122.363	37.718	2223.473	2089297.413	6022956.921	0	RS-700	0.47467100629
3335	-122.363	37.718	2189.112	2089297.236	6022956.686	0	RS-700	0.25856830189
3336	-122.363	37.718	2310.712	2089296.269	6022955.827	0	RS-700	1.02334553459
3337	-122.363	37.718	2198.904	2089295.347	6022954.594	0	RS-700	0.32015176101
3338	-122.363	37.718	2306.829	2089294.836	6022952.819	0	RS-700	0.99892251572
3339	-122.363	37.718	2265.824	2089294.916	6022950.622	0	RS-700	0.74103327044
3340	-122.363	37.718	2286.592	2089294.884	6022950.390	0	RS-700	0.87164987421
3341	-122.363	37.718	2292.064	2089294.938	6022951.346	0	RS-700	0.90606352201
3342	-122.363	37.718	2266.697	2089295.102	6022952.246	0	RS-700	0.74652339623
3343	-122.363	37.718	2311.833	2089295.046	6022953.257	0	RS-700	1.03039597484
3344	-122.363	37.718	2289.052	2089294.965	6022953.661	0	RS-700	0.88711710692
3345	-122.363	37.718	2232.027	2089294.926	6022953.776	0	RS-700	0.52847069182
3346	-122.363	37.718	2299.361	2089294.737	6022954.148	0	RS-700	0.95195723270
3347	-122.363	37.718	2186.892	2089294.247	6022954.948	0	RS-700	0.24460383648
3348	-122.363	37.718	2407.501	2089293.393	6022955.770	0	RS-700	1.63208100629
3349	-122.363	37.718	2258.243	2089292.658	6022956.132	0	RS-700	0.69334937107
3350	-122.363	37.718	2215.797	2089292.142	6022956.440	0	RS-700	0.42639308176
3351	-122.363	37.718	2216.910	2089291.697	6022956.836	0	RS-700	0.43339811321
3352	-122.363	37.718	2262.720	2089292.332	6022956.038	0	RS-700	0.72151182390
3353	-122.363	37.718	2293.817	2089293.491	6022954.528	0	RS-700	0.91708490566
3354	-122.363	37.718	2344.497	2089294.540	6022953.045	0	RS-700	1.23582830189
3355	-122.363	37.718	2387.083	2089295.327	6022951.961	0	RS-700	1.50366767296
3356	-122.363	37.718	2174.779	2089295.701	6022951.448	0	RS-700	0.16842345912
3357	-122.363	37.718	2267.460	2089294.438	6022952.695	0	RS-700	0.75131993711
3358	-122.363	37.718	2309.180	2089295.625	6022951.591	0	RS-700	1.01370974843
3359	-122.363	37.718	2313.303	2089295.663	6022951.534	0	RS-700	1.03964144654
3360	-122.363	37.718	2392.978	2089295.700	6022951.506	0	RS-700	1.54074415094
3361	-122.363	37.718	2344.427	2089295.663	6022951.505	0	RS-700	1.23539119497
3362	-122.363	37.718	2345.193	2089294.402	6022952.695	0	RS-700	1.24020540881
3363	-122.363	37.718	2231.035	2089294.402	6022952.695	0	RS-700	0.52223106918
3364	-122.363	37.718	2302.711	2089294.402	6022952.695	0	RS-700	0.97302754717
3365	-122.363	37.718	2365.968	2089295.663	6022951.505	0	RS-700	1.37087100629
3366	-122.363	37.718	2343.956	2089293.878	6022953.408	0	RS-700	1.23242622642
3367	-122.363	37.718	2282.593	2089294.351	6022953.417	0	RS-700	0.84649855346
3368	-122.363	37.718	2298.824	2089292.003	6022956.119	0	RS-700	0.94857729560
3369	-122.363	37.718	2252.032	2089290.914	6022957.746	0	RS-700	0.65428899371
3370	-122.363	37.718	2246.251	2089289.752	6022959.401	0	RS-700	0.61793037736
3371	-122.363	37.718	2215.454	2089288.553	6022961.113	0	RS-700	0.42424132076
3372	-122.363	37.718	2244.577	2089287.318	6022962.766	0	RS-700	0.60740213837
3373	-122.363	37.718	2240.153	2089286.084	6022964.362	0	RS-700	0.57958069182
3374	-122.363	37.718	2366.309	2089284.740	6022966.013	0	RS-700	1.37301553459

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3375	-122.363	37.718	2336.835	2089283.357	6022967.837	0	RS-700	1.18764150943
3376	-122.363	37.718	2346.498	2089282.115	6022969.808	0	RS-700	1.24841194969
3377	-122.363	37.718	2285.932	2089280.910	6022971.809	0	RS-700	0.86749572327
3378	-122.363	37.718	2369.917	2089279.670	6022973.752	0	RS-700	1.39570320755
3379	-122.363	37.718	2386.264	2089278.356	6022975.693	0	RS-700	1.49851534591
3380	-122.363	37.718	2311.945	2089277.008	6022977.575	0	RS-700	1.03110314465
3381	-122.363	37.718	2397.099	2089275.993	6022979.146	0	RS-700	1.56666088050
3382	-122.363	37.718	2325.592	2089275.206	6022980.288	0	RS-700	1.11692842767
3383	-122.363	37.718	2320.946	2089274.755	6022980.973	0	RS-700	1.08771006289
3384	-122.363	37.718	2289.390	2089275.571	6022980.237	0	RS-700	0.88924358491
3385	-122.363	37.718	2330.164	2089275.570	6022980.266	0	RS-700	1.14568522013
3386	-122.363	37.718	2302.285	2089275.607	6022980.238	0	RS-700	0.97034377359
3387	-122.363	37.718	2350.724	2089275.644	6022980.239	0	RS-700	1.27499207547
3388	-122.363	37.718	2341.968	2089275.644	6022980.239	0	RS-700	1.21992584906
3389	-122.363	37.718	2308.521	2089275.718	6022980.182	0	RS-700	1.00956685535
3390	-122.363	37.718	2342.313	2089275.792	6022980.126	0	RS-700	1.22209603774
3391	-122.363	37.718	2241.027	2089275.829	6022980.098	0	RS-700	0.58507308176
3392	-122.363	37.718	2283.813	2089275.866	6022980.070	0	RS-700	0.85417119497
3393	-122.363	37.718	2435.364	2089275.866	6022980.070	0	RS-700	1.80732088050
3394	-122.363	37.718	2398.141	2089275.829	6022980.069	0	RS-700	1.57321597484
3395	-122.363	37.718	2431.094	2089275.829	6022980.098	0	RS-700	1.78046358491
3396	-122.363	37.718	2325.832	2089275.792	6022980.097	0	RS-700	1.11844062893
3397	-122.363	37.718	2472.359	2089275.756	6022980.096	0	RS-700	2.03999408805
3398	-122.363	37.718	2349.312	2089275.756	6022980.096	0	RS-700	1.26611427673
3399	-122.363	37.718	2351.199	2089275.793	6022980.068	0	RS-700	1.27798213836
3400	-122.363	37.718	2310.166	2089275.793	6022980.068	0	RS-700	1.01991000000
3401	-122.363	37.718	2321.832	2089275.830	6022980.011	0	RS-700	1.09328540881
3402	-122.363	37.718	2367.614	2089275.830	6022980.040	0	RS-700	1.38121930818
3403	-122.363	37.718	2337.601	2089275.830	6022980.011	0	RS-700	1.19246044025
3404	-122.363	37.718	2360.613	2089275.794	6022980.010	0	RS-700	1.33718981132
3405	-122.363	37.718	2330.289	2089275.795	6022979.981	0	RS-700	1.14646867925
3406	-122.363	37.718	2384.329	2089275.795	6022979.981	0	RS-700	1.48634647799
3407	-122.363	37.718	2259.925	2089275.795	6022979.953	0	RS-700	0.70393037736
3408	-122.363	37.718	2357.613	2089275.795	6022979.953	0	RS-700	1.31832113208
3409	-122.363	37.718	2284.271	2089275.795	6022979.953	0	RS-700	0.85705270440
3410	-122.363	37.718	2286.932	2089275.759	6022979.952	0	RS-700	0.87378610063
3411	-122.363	37.718	2367.492	2089275.759	6022979.952	0	RS-700	1.38045213836
3412	-122.363	37.718	2357.562	2089275.759	6022979.952	0	RS-700	1.31799987421
3413	-122.363	37.718	2321.069	2089275.759	6022979.952	0	RS-700	1.08848635220
3414	-122.363	37.718	2307.832	2089275.759	6022979.952	0	RS-700	1.00523050314
3415	-122.363	37.718	2293.819	2089275.759	6022979.923	0	RS-700	0.91709924528
3416	-122.363	37.718	2335.071	2089275.760	6022979.894	0	RS-700	1.17654647799
3417	-122.363	37.718	2299.365	2089275.760	6022979.894	0	RS-700	0.95197937107
3418	-122.363	37.718	2375.080	2089275.760	6022979.894	0	RS-700	1.42817716981
3419	-122.363	37.718	2272.379	2089275.760	6022979.894	0	RS-700	0.78225987421

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3420	-122.363	37.718	2397.459	2089275.760	6022979.894	0	RS-700	1.56892276730
3421	-122.363	37.718	2306.162	2089275.796	6022979.924	0	RS-700	0.99473056604
3422	-122.363	37.718	2335.967	2089275.759	6022979.923	0	RS-700	1.18217943396
3423	-122.363	37.718	2366.089	2089275.759	6022979.923	0	RS-700	1.37162905660
3424	-122.363	37.718	2412.349	2089275.759	6022979.923	0	RS-700	1.66257490566
3425	-122.363	37.718	2338.305	2089275.759	6022979.923	0	RS-700	1.19688729560
3426	-122.363	37.718	2326.834	2089275.795	6022979.953	0	RS-700	1.12474352201
3427	-122.363	37.718	2327.950	2089275.795	6022979.953	0	RS-700	1.13176352201
3428	-122.363	37.718	2414.489	2089275.760	6022979.894	0	RS-700	1.67603207547
3429	-122.363	37.718	2357.614	2089275.760	6022979.894	0	RS-700	1.31832993711
3430	-122.363	37.718	2377.214	2089275.759	6022979.923	0	RS-700	1.44159584906
3431	-122.363	37.718	2408.694	2089275.759	6022979.923	0	RS-700	1.63958628931
3432	-122.363	37.718	2360.200	2089275.384	6022980.465	0	RS-700	1.33458874214
3433	-122.363	37.718	2279.590	2089273.521	6022982.598	0	RS-700	0.82761188679
3434	-122.363	37.718	2267.916	2089273.472	6022983.233	0	RS-700	0.75418949686
3435	-122.363	37.718	2338.950	2089272.091	6022984.913	0	RS-700	1.20094503145
3436	-122.363	37.718	2275.160	2089270.931	6022986.481	0	RS-700	0.79974572327
3437	-122.362	37.718	2413.474	2089268.733	6022988.925	0	RS-700	1.66964748428
3438	-122.362	37.718	2320.760	2089267.353	6022990.575	0	RS-700	1.08653955975
3439	-122.362	37.718	2297.716	2089266.007	6022992.313	0	RS-700	0.94160704403
3440	-122.362	37.718	2372.319	2089264.699	6022993.994	0	RS-700	1.41081283019
3441	-122.362	37.718	2256.809	2089263.464	6022995.676	0	RS-700	0.68433245283
3442	-122.362	37.718	2158.559	2089262.229	6022997.330	0	RS-700	0.06640792453
3443	-122.362	37.718	2215.016	2089261.255	6022998.699	0	RS-700	0.42148528302
3444	-122.362	37.718	2232.583	2089260.583	6022999.554	0	RS-700	0.53196798742
3445	-122.362	37.718	2198.672	2089260.321	6022999.896	0	RS-700	0.31869465409
3446	-122.362	37.718	2262.812	2089260.321	6022999.896	0	RS-700	0.72209031447
3447	-122.362	37.718	2288.534	2089260.320	6022999.924	0	RS-700	0.88386389937
3448	-122.362	37.718	2308.177	2089260.320	6022999.924	0	RS-700	1.00740371069
3449	-122.362	37.718	2146.312	2089260.320	6022999.924	0	RS-700	-0.01061484277
3450	-122.362	37.718	2289.589	2089260.284	6022999.924	0	RS-700	0.89049855346
3451	-122.362	37.718	2200.011	2089261.398	6022998.847	0	RS-700	0.32711006289
3452	-122.362	37.718	2183.550	2089261.323	6022998.932	0	RS-700	0.22358723270
3453	-122.362	37.718	2253.253	2089260.320	6022999.924	0	RS-700	0.66196842767
3454	-122.362	37.718	2174.108	2089261.434	6022998.847	0	RS-700	0.16420144654
3455	-122.362	37.718	2208.912	2089261.472	6022998.790	0	RS-700	0.38309610063
3456	-122.362	37.718	2257.821	2089261.509	6022998.762	0	RS-700	0.69069861635
3457	-122.362	37.718	2242.691	2089261.582	6022998.735	0	RS-700	0.59553830189
3458	-122.362	37.718	2404.744	2089261.583	6022998.706	0	RS-700	1.61474176101
3459	-122.362	37.718	2265.038	2089261.583	6022998.706	0	RS-700	0.73608855346
3460	-122.362	37.718	2242.585	2089261.583	6022998.706	0	RS-700	0.59487547170
3461	-122.362	37.718	2193.899	2089261.546	6022998.734	0	RS-700	0.28867496855
3462	-122.362	37.718	2236.062	2089261.545	6022998.763	0	RS-700	0.55384641509
3463	-122.362	37.718	2247.592	2089261.396	6022998.933	0	RS-700	0.62636748428
3464	-122.362	37.718	2223.020	2089261.061	6022999.303	0	RS-700	0.47182685535

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3465	-122.362	37.718	2214.125	2089260.725	6022999.701	0	RS-700	0.41588132076
3466	-122.362	37.718	2257.151	2089258.829	6023001.660	0	RS-700	0.68648547170
3467	-122.362	37.718	2209.764	2089257.824	6023002.739	0	RS-700	0.38845371069
3468	-122.362	37.718	2244.809	2089256.775	6023004.222	0	RS-700	0.60886182390
3469	-122.362	37.718	2186.880	2089255.542	6023005.789	0	RS-700	0.24453006289
3470	-122.362	37.718	2237.697	2089254.233	6023007.499	0	RS-700	0.56413081761
3471	-122.362	37.718	2236.789	2089252.888	6023009.208	0	RS-700	0.55842207547
3472	-122.362	37.718	2226.453	2089253.324	6023009.274	0	RS-700	0.49341685535
3473	-122.362	37.718	2310.478	2089250.119	6023012.914	0	RS-700	1.02187597484
3474	-122.362	37.718	2250.250	2089250.481	6023013.036	0	RS-700	0.64308276730
3475	-122.362	37.718	2283.820	2089247.351	6023016.590	0	RS-700	0.85421119497
3476	-122.362	37.718	2273.589	2089245.745	6023018.584	0	RS-700	0.78986566038
3477	-122.362	37.718	2202.570	2089244.139	6023020.606	0	RS-700	0.34320993711
3478	-122.362	37.718	2292.938	2089242.497	6023022.598	0	RS-700	0.91155723270
3479	-122.362	37.718	2254.609	2089240.892	6023024.562	0	RS-700	0.67049666667
3480	-122.362	37.718	2219.577	2089239.212	6023026.612	0	RS-700	0.45016943396
3481	-122.362	37.718	2213.912	2089238.274	6023028.011	0	RS-700	0.41453874214
3482	-122.362	37.718	2225.240	2089236.072	6023030.686	0	RS-700	0.48578710692
3483	-122.362	37.718	2220.571	2089234.463	6023032.824	0	RS-700	0.45642264151
3484	-122.362	37.718	2223.230	2089232.817	6023035.019	0	RS-700	0.47314238994
3485	-122.362	37.718	2190.565	2089231.169	6023037.329	0	RS-700	0.26770314465
3486	-122.362	37.718	2231.930	2089229.487	6023039.495	0	RS-700	0.52786069182
3487	-122.362	37.718	2168.405	2089227.807	6023041.573	0	RS-700	0.12833069182
3488	-122.362	37.718	2196.897	2089226.124	6023043.796	0	RS-700	0.30752981132
3489	-122.362	37.718	2147.771	2089224.404	6023046.019	0	RS-700	-0.00143855346
3490	-122.362	37.718	2257.924	2089222.684	6023048.270	0	RS-700	0.69134773585
3491	-122.362	37.718	2155.665	2089220.927	6023050.549	0	RS-700	0.04820522013
3492	-122.362	37.718	2150.771	2089219.208	6023052.772	0	RS-700	0.01742905660
3493	-122.362	37.718	2183.778	2089217.452	6023054.993	0	RS-700	0.22502012579
3494	-122.362	37.718	2214.119	2089215.732	6023057.215	0	RS-700	0.41584540881
3495	-122.362	37.718	2346.079	2089214.122	6023059.440	0	RS-700	1.24577955975
3496	-122.362	37.718	2385.169	2089212.584	6023061.666	0	RS-700	1.49162654088
3497	-122.362	37.718	2387.572	2089210.868	6023063.744	0	RS-700	1.50674415094
3498	-122.362	37.718	2308.713	2089209.188	6023065.793	0	RS-700	1.01077465409
3499	-122.362	37.718	2373.732	2089207.578	6023068.018	0	RS-700	1.41969867925
3500	-122.362	37.718	2317.082	2089205.968	6023070.213	0	RS-700	1.06340817610
3501	-122.362	37.718	2310.582	2089204.432	6023072.352	0	RS-700	1.02252704403
3502	-122.362	37.718	2357.311	2089202.897	6023074.463	0	RS-700	1.31642383648
3503	-122.362	37.718	2325.828	2089201.401	6023076.458	0	RS-700	1.11841672956
3504	-122.362	37.718	2329.839	2089199.904	6023078.482	0	RS-700	1.14363905660
3505	-122.362	37.718	2421.265	2089198.444	6023080.478	0	RS-700	1.71864528302
3506	-122.362	37.718	2349.297	2089196.983	6023082.503	0	RS-700	1.26601603774
3507	-122.362	37.718	2413.861	2089195.445	6023084.729	0	RS-700	1.67207981132
3508	-122.362	37.718	2360.413	2089193.873	6023086.897	0	RS-700	1.33592974843
3509	-122.362	37.718	2384.494	2089192.519	6023089.039	0	RS-700	1.48738433962

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3510	-122.362	37.718	2447.876	2089191.239	6023091.126	0	RS-700	1.88601314465
3511	-122.362	37.718	2315.064	2089189.817	6023093.065	0	RS-700	1.05071383648
3512	-122.362	37.718	2185.903	2089188.176	6023094.971	0	RS-700	0.23838295598
3513	-122.362	37.718	2209.236	2089186.571	6023096.964	0	RS-700	0.38512930818
3514	-122.362	37.718	2208.130	2089184.926	6023099.072	0	RS-700	0.37817496855
3515	-122.362	37.718	2175.778	2089183.355	6023101.181	0	RS-700	0.17470566038
3516	-122.362	37.718	2331.367	2089181.856	6023103.292	0	RS-700	1.15324974843
3517	-122.362	37.718	2179.895	2089180.247	6023105.459	0	RS-700	0.20059817610
3518	-122.362	37.718	2341.426	2089178.708	6023107.743	0	RS-700	1.21651855346
3519	-122.362	37.718	2342.838	2089177.282	6023109.855	0	RS-700	1.22539924528
3520	-122.362	37.718	2322.645	2089175.676	6023111.877	0	RS-700	1.09839704403
3521	-122.362	37.718	2306.057	2089174.074	6023113.697	0	RS-700	0.99407100629
3522	-122.362	37.718	2289.163	2089172.769	6023115.204	0	RS-700	0.88781993711
3523	-122.362	37.718	2333.413	2089172.444	6023116.905	0	RS-700	1.16612056604
3524	-122.362	37.718	2315.070	2089172.777	6023118.474	0	RS-700	1.05075358491
3525	-122.362	37.718	2388.736	2089173.557	6023119.531	0	RS-700	1.51406396226
3526	-122.362	37.718	2293.165	2089174.146	6023121.047	0	RS-700	0.91298943396
3527	-122.362	37.718	2304.932	2089174.180	6023122.986	0	RS-700	0.98699477987
3528	-122.362	37.718	2259.160	2089173.526	6023124.737	0	RS-700	0.69911729560
3529	-122.362	37.718	2217.140	2089172.006	6023126.096	0	RS-700	0.43484465409
3530	-122.362	37.718	2170.325	2089170.063	6023126.751	0	RS-700	0.14040698113
3531	-122.362	37.718	2250.926	2089168.467	6023126.430	0	RS-700	0.64733616352
3532	-122.362	37.718	2154.768	2089167.785	6023125.896	0	RS-700	0.04256660377
3533	-122.362	37.718	2300.590	2089166.592	6023125.467	0	RS-700	0.95968855346
3534	-122.362	37.718	2264.596	2089165.213	6023125.237	0	RS-700	0.73330861635
3535	-122.362	37.718	2215.154	2089164.152	6023125.448	0	RS-700	0.42235044025
3536	-122.362	37.718	2228.356	2089163.748	6023125.642	0	RS-700	0.50538283019
3537	-122.362	37.718	2183.671	2089164.191	6023125.333	0	RS-700	0.22434440252
3538	-122.362	37.718	2223.351	2089165.374	6023124.459	0	RS-700	0.47390710692
3539	-122.362	37.718	2326.065	2089166.190	6023123.724	0	RS-700	1.11990484277
3540	-122.362	37.718	2186.684	2089166.487	6023123.440	0	RS-700	0.24329654088
3541	-122.362	37.718	2309.293	2089165.598	6023124.175	0	RS-700	1.01442018868
3542	-122.362	37.718	2280.704	2089164.332	6023125.567	0	RS-700	0.83461641509
3543	-122.362	37.718	2259.926	2089163.026	6023127.161	0	RS-700	0.70393408805
3544	-122.362	37.718	2139.865	2089162.129	6023128.329	0	RS-700	-0.05116182390
3545	-122.362	37.718	2255.035	2089160.303	6023130.405	0	RS-700	0.67317867925
3546	-122.362	37.718	2248.919	2089159.962	6023131.035	0	RS-700	0.63471352201
3547	-122.362	37.718	2240.028	2089158.798	6023132.834	0	RS-700	0.57879490566
3548	-122.362	37.718	2220.019	2089157.595	6023134.691	0	RS-700	0.45294729560
3549	-122.362	37.718	2196.120	2089156.207	6023136.746	0	RS-700	0.30264100629
3550	-122.362	37.718	2263.152	2089154.931	6023138.659	0	RS-700	0.72422710692
3551	-122.362	37.718	2288.933	2089153.581	6023140.599	0	RS-700	0.88637364780
3552	-122.362	37.718	2359.376	2089152.157	6023142.625	0	RS-700	1.32940905660
3553	-122.362	37.718	2234.575	2089150.699	6023144.505	0	RS-700	0.54449597484
3554	-122.362	37.718	2273.190	2089149.064	6023146.151	0	RS-700	0.78735974843

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3555	-122.362	37.718	2234.584	2089147.568	6023148.088	0	RS-700	0.54455169811
3556	-122.362	37.718	2302.169	2089145.289	6023150.994	0	RS-700	0.96961327044
3557	-122.362	37.718	2266.587	2089144.902	6023152.143	0	RS-700	0.74582786164
3558	-122.362	37.718	2270.270	2089143.701	6023153.942	0	RS-700	0.76899528302
3559	-122.362	37.718	2330.176	2089142.653	6023155.339	0	RS-700	1.14576207547
3560	-122.362	37.718	2367.847	2089138.930	6023159.402	0	RS-700	1.38268289308
3561	-122.362	37.718	2298.054	2089137.250	6023161.480	0	RS-700	0.94373893082
3562	-122.362	37.718	2237.580	2089135.532	6023163.645	0	RS-700	0.56339314465
3563	-122.362	37.718	2273.470	2089133.887	6023165.782	0	RS-700	0.78911911950
3564	-122.362	37.718	2192.339	2089132.204	6023168.005	0	RS-700	0.27886471698
3565	-122.362	37.718	2295.613	2089130.632	6023170.143	0	RS-700	0.92838301887
3566	-122.362	37.718	2277.162	2089128.987	6023172.280	0	RS-700	0.81233886793
3567	-122.362	37.718	2254.491	2089127.196	6023174.414	0	RS-700	0.66975163522
3568	-122.362	37.718	2173.780	2089125.477	6023176.608	0	RS-700	0.16213836478
3569	-122.362	37.718	2193.789	2089123.757	6023178.859	0	RS-700	0.28797842767
3570	-122.362	37.718	2203.239	2089122.037	6023181.139	0	RS-700	0.34741477987
3571	-122.362	37.718	2098.542	2089120.351	6023183.478	0	RS-700	-0.31105522013
3572	-122.362	37.718	2238.043	2089118.737	6023185.876	0	RS-700	0.56630930818
3573	-122.362	37.718	2263.380	2089117.198	6023188.218	0	RS-700	0.72565911950
3574	-122.362	37.718	2140.760	2089115.587	6023190.471	0	RS-700	-0.04553660377
3575	-122.362	37.718	2164.871	2089113.721	6023192.748	0	RS-700	0.10610459120
3576	-122.362	37.718	2132.980	2089111.890	6023195.084	0	RS-700	-0.09446534591
3577	-122.362	37.718	2098.753	2089110.240	6023197.453	0	RS-700	-0.30972729560
3578	-122.362	37.718	2134.982	2089108.664	6023199.794	0	RS-700	-0.08187628931
3579	-122.362	37.718	2222.013	2089107.089	6023202.077	0	RS-700	0.46549169811
3580	-122.362	37.718	2205.455	2089105.405	6023204.357	0	RS-700	0.36135081761
3581	-122.362	37.718	2169.993	2089103.830	6023206.612	0	RS-700	0.13831842767
3582	-122.362	37.718	2207.921	2089102.364	6023208.897	0	RS-700	0.37686031447
3583	-122.362	37.718	2208.457	2089100.862	6023211.210	0	RS-700	0.38022993711
3584	-122.362	37.718	2211.016	2089099.069	6023213.460	0	RS-700	0.39632962264
3585	-122.362	37.718	2137.770	2089097.204	6023215.651	0	RS-700	-0.06433792453
3586	-122.362	37.718	2179.674	2089095.303	6023217.841	0	RS-700	-0.04787788856
3587	-122.362	37.718	2414.869	2089093.512	6023220.004	0	RS-700	0.64184357771
3588	-122.362	37.718	2539.289	2089092.057	6023221.768	0	RS-700	1.00671228739
3589	-122.362	37.718	2399.740	2089091.646	6023222.252	0	RS-700	0.59747800587
3590	-122.362	37.718	1845.572	2089090.490	6023223.618	0	RS-700	-1.02764727273
3591	-122.362	37.718	1666.514	2089089.298	6023224.983	0	RS-700	-1.55274439883
3592	-122.362	37.718	2145.660	2089087.987	6023226.779	0	RS-700	-0.14762416422
3593	-122.362	37.718	2602.717	2089086.973	6023228.350	0	RS-700	1.19271920821
3594	-122.362	37.718	2521.277	2089085.444	6023230.113	0	RS-700	0.95389193548
3595	-122.362	37.718	2268.816	2089083.799	6023232.279	0	RS-700	0.21353519062
3596	-122.362	37.718	2207.119	2089081.862	6023234.468	0	RS-700	0.37181861635
3597	-122.362	37.718	2124.975	2089080.031	6023236.804	0	RS-700	-0.14481402516
3598	-122.362	37.718	2148.455	2089078.239	6023238.967	0	RS-700	0.00285987421
3599	-122.362	37.718	2138.874	2089076.739	6023241.165	0	RS-700	-0.05739534591

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3600	-122.362	37.717	2107.277	2089074.231	6023244.558	0	RS-700	-0.25612106918
3601	-122.362	37.717	2103.544	2089072.657	6023246.783	0	RS-700	-0.27959918239
3602	-122.362	37.717	2157.578	2089070.937	6023249.063	0	RS-700	0.06023911950
3603	-122.362	37.717	2180.784	2089069.142	6023251.400	0	RS-700	0.20618666667
3604	-122.362	37.717	2124.192	2089067.349	6023253.650	0	RS-700	-0.14973767296
3605	-122.362	37.717	2083.851	2089065.555	6023255.986	0	RS-700	-0.40345220126
3606	-122.362	37.717	2157.879	2089063.723	6023258.351	0	RS-700	0.06213245283
3607	-122.362	37.717	1831.945	2089061.890	6023260.803	0	RS-700	-1.98776547170
3608	-122.362	37.717	1222.568	2089060.172	6023262.938	0	RS-700	-5.82032408805
3609	-122.362	37.717	1234.468	2089058.533	6023264.786	0	RS-700	-5.74548610063
3610	-122.362	37.717	1861.566	2089056.929	6023266.692	0	RS-700	-1.80147100629
3611	-122.362	37.717	2124.438	2089055.281	6023268.974	0	RS-700	-0.14818987421
3612	-122.362	37.717	2037.631	2089053.632	6023271.314	0	RS-700	-0.69414773585
3613	-122.361	37.717	1777.665	2089051.917	6023273.333	0	RS-700	-2.32915289308
3614	-122.361	37.717	2034.734	2089051.802	6023273.592	0	RS-700	-0.71236238994
3615	-122.361	37.717	2023.120	2089049.829	6023275.751	0	RS-700	-0.78540698113
3616	-122.361	37.717	2150.767	2089048.037	6023277.972	0	RS-700	0.01740534591
3617	-122.361	37.717	2249.137	2089046.283	6023280.107	0	RS-700	0.63608188679
3618	-122.361	37.717	2102.756	2089044.903	6023281.728	0	RS-700	-0.28455100629
3619	-122.361	37.717	2086.061	2089043.791	6023282.719	0	RS-700	-0.38955081761
3620	-122.361	37.717	2168.671	2089042.375	6023284.340	0	RS-700	0.13000339623
3621	-122.361	37.717	2048.734	2089040.879	6023286.277	0	RS-700	-0.62431150943
3622	-122.361	37.717	2075.961	2089039.049	6023288.584	0	RS-700	-0.45307672956
3623	-122.361	37.717	2125.872	2089037.076	6023290.744	0	RS-700	-0.13917044025
3624	-122.361	37.717	2027.423	2089035.135	6023293.106	0	RS-700	-0.75834345912
3625	-122.361	37.717	2106.546	2089033.300	6023295.616	0	RS-700	-0.26071622642
3626	-122.361	37.717	2130.974	2089030.058	6023299.341	0	RS-700	-0.10707893082
3627	-122.361	37.717	2140.769	2089028.189	6023301.734	0	RS-700	-0.04547691824
3628	-122.361	37.717	2138.873	2089026.061	6023304.382	0	RS-700	-0.05740477987
3629	-122.361	37.717	2121.547	2089024.077	6023307.091	0	RS-700	-0.16637075472
3630	-122.361	37.717	2067.950	2089022.205	6023309.629	0	RS-700	-0.50346094340
3631	-122.361	37.717	2054.940	2089020.560	6023311.794	0	RS-700	-0.58528553459
3632	-122.361	37.717	2119.975	2089018.951	6023313.961	0	RS-700	-0.17626050315
3633	-122.361	37.717	2135.863	2089017.340	6023316.186	0	RS-700	-0.07633572327
3634	-122.361	37.717	2140.198	2089015.840	6023318.383	0	RS-700	-0.04906779874
3635	-122.361	37.717	2077.747	2089015.416	6023319.561	0	RS-700	-0.44184534591
3636	-122.361	37.717	2149.763	2089013.772	6023321.640	0	RS-700	0.01108691824
3637	-122.361	37.717	2148.449	2089012.166	6023323.663	0	RS-700	0.00282119497
3638	-122.361	37.717	2212.903	2089010.413	6023325.711	0	RS-700	0.40819484277
3639	-122.361	37.717	2112.538	2089008.628	6023327.585	0	RS-700	-0.22303094340
3640	-122.361	37.717	2125.301	2089006.988	6023329.461	0	RS-700	-0.14276201258
3641	-122.361	37.717	2100.055	2089005.493	6023331.370	0	RS-700	-0.30154377359
3642	-122.361	37.717	2083.637	2089003.959	6023333.451	0	RS-700	-0.40479685535
3643	-122.361	37.717	2148.767	2089002.683	6023335.335	0	RS-700	0.00482672956
3644	-122.361	37.717	2219.021	2088999.478	6023339.032	0	RS-700	0.44667207547



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3645	-122.361	37.717	2245.691	2088997.941	6023341.230	0	RS-700	0.61440616352
3646	-122.361	37.717	2215.230	2088996.332	6023343.367	0	RS-700	0.42282823899
3647	-122.361	37.717	2268.596	2088994.614	6023345.503	0	RS-700	0.75846842767
3648	-122.361	37.717	2207.016	2088992.930	6023347.784	0	RS-700	0.37116798742
3649	-122.361	37.717	2163.449	2088991.211	6023350.006	0	RS-700	0.09716050314
3650	-122.361	37.717	2224.017	2088989.563	6023352.288	0	RS-700	0.47809226415
3651	-122.361	37.717	2154.664	2088987.771	6023354.480	0	RS-700	0.04191364780
3652	-122.361	37.717	2099.484	2088985.943	6023356.700	0	RS-700	-0.30513031447
3653	-122.361	37.717	2162.664	2088984.222	6023358.951	0	RS-700	0.09222591195
3654	-122.361	37.717	2173.888	2088982.611	6023361.234	0	RS-700	0.16281716981
3655	-122.361	37.717	2180.562	2088981.035	6023363.546	0	RS-700	0.20479522013
3656	-122.361	37.717	2143.876	2088979.423	6023365.886	0	RS-700	-0.02593698113
3657	-122.361	37.717	2256.029	2088977.883	6023368.228	0	RS-700	0.67942616352
3658	-122.361	37.717	2135.763	2088976.235	6023370.538	0	RS-700	-0.07696056604
3659	-122.361	37.717	2252.596	2088974.368	6023372.844	0	RS-700	0.65783779874
3660	-122.361	37.717	2210.794	2088972.394	6023375.062	0	RS-700	0.39492899371
3661	-122.361	37.717	2219.120	2088970.495	6023377.136	0	RS-700	0.44729433962
3662	-122.361	37.717	2102.966	2088968.598	6023379.152	0	RS-700	-0.28323238994
3663	-122.361	37.717	2079.946	2088966.665	6023381.110	0	RS-700	-0.42801433962
3664	-122.361	37.717	2157.985	2088964.874	6023383.244	0	RS-700	0.06280157233
3665	-122.361	37.717	2199.567	2088963.191	6023385.496	0	RS-700	0.32431981132
3666	-122.361	37.717	2108.548	2088961.431	6023387.891	0	RS-700	-0.24812893082
3667	-122.361	37.717	2152.764	2088959.745	6023390.288	0	RS-700	0.02996515723
3668	-122.361	37.717	2222.324	2088958.057	6023392.771	0	RS-700	0.46744830189
3669	-122.361	37.717	2080.641	2088956.333	6023395.196	0	RS-700	-0.42363987421
3670	-122.361	37.717	2193.232	2088954.574	6023397.562	0	RS-700	0.28447842767
3671	-122.361	37.717	2112.756	2088952.707	6023399.869	0	RS-700	-0.22166232704
3672	-122.361	37.717	1734.608	2088950.950	6023402.148	0	RS-700	-2.59995081761
3673	-122.361	37.717	906.231	2088949.304	6023404.343	0	RS-700	-7.80986584906
3674	-122.361	37.717	1076.009	2088947.770	6023406.424	0	RS-700	-6.74208226415
3675	-122.361	37.717	1987.614	2088946.270	6023408.593	0	RS-700	-1.00871867925
3676	-122.361	37.717	2174.108	2088944.781	6023410.184	0	RS-700	0.16419937107
3677	-122.361	37.717	2203.350	2088943.982	6023411.904	0	RS-700	0.34811628931
3678	-122.361	37.717	1924.979	2088942.780	6023413.789	0	RS-700	-1.40264515723
3679	-122.361	37.717	1982.816	2088941.062	6023415.896	0	RS-700	-1.03889402516
3680	-122.361	37.717	2218.576	2088939.239	6023417.856	0	RS-700	0.44387490566
3681	-122.361	37.717	2174.673	2088937.489	6023419.788	0	RS-700	0.16775377359
3682	-122.361	37.717	2165.995	2088935.991	6023421.841	0	RS-700	0.11317402516
3683	-122.361	37.717	2241.802	2088934.240	6023423.803	0	RS-700	0.58995276730
3684	-122.361	37.717	2265.390	2088932.527	6023425.707	0	RS-700	0.73829874214
3685	-122.361	37.717	2256.488	2088930.813	6023427.669	0	RS-700	0.68231654088
3686	-122.361	37.717	2364.734	2088929.169	6023429.777	0	RS-700	1.36310515723
3687	-122.361	37.717	2292.155	2088927.487	6023431.943	0	RS-700	0.90663333333
3688	-122.361	37.717	2348.786	2088925.842	6023434.080	0	RS-700	1.26280641509
3689	-122.361	37.717	2226.910	2088924.267	6023436.363	0	RS-700	0.49628754717

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3690	-122.361	37.717	2299.594	2088922.727	6023438.704	0	RS-700	0.95342358491
3691	-122.361	37.717	2150.662	2088921.297	6023441.048	0	RS-700	0.01674364780
3692	-122.361	37.717	2191.447	2088919.795	6023443.304	0	RS-700	0.27325207547
3693	-122.361	37.717	2133.719	2088918.256	6023445.617	0	RS-700	-0.08981830189
3694	-122.361	37.717	2160.773	2088916.391	6023447.836	0	RS-700	0.08033270440
3695	-122.361	37.717	2127.056	2088914.596	6023450.173	0	RS-700	-0.13172037736
3696	-122.361	37.717	2273.929	2088912.876	6023452.424	0	RS-700	0.79200773585
3697	-122.361	37.717	2174.213	2088911.043	6023454.876	0	RS-700	0.16486433962
3698	-122.361	37.717	2243.056	2088909.503	6023457.217	0	RS-700	0.59783553459
3699	-122.361	37.717	2166.893	2088907.963	6023459.588	0	RS-700	0.11882540881
3700	-122.361	37.717	2151.768	2088906.497	6023461.873	0	RS-700	0.02369949686
3701	-122.361	37.717	2110.650	2088904.997	6023464.042	0	RS-700	-0.23490433962
3702	-122.361	37.717	2070.838	2088903.207	6023466.147	0	RS-700	-0.48529823899
3703	-122.361	37.717	2145.876	2088901.452	6023468.340	0	RS-700	-0.01336100629
3704	-122.361	37.717	2153.557	2088899.623	6023470.560	0	RS-700	0.03495062893
3705	-122.361	37.717	2162.995	2088897.867	6023472.782	0	RS-700	0.09430584906
3706	-122.361	37.717	2133.639	2088896.146	6023475.091	0	RS-700	-0.09031949686
3707	-122.361	37.717	2158.665	2088894.569	6023477.490	0	RS-700	0.06707805031
3708	-122.361	37.717	2298.828	2088892.887	6023479.626	0	RS-700	0.94860528302
3709	-122.361	37.717	2339.720	2088891.136	6023481.645	0	RS-700	1.20578578616
3710	-122.361	37.717	2205.232	2088889.418	6023483.781	0	RS-700	0.35994886793
3711	-122.361	37.717	2248.383	2088887.591	6023485.885	0	RS-700	0.63133817610
3712	-122.361	37.717	2202.013	2088885.693	6023487.960	0	RS-700	0.33970603774
3713	-122.361	37.717	2157.988	2088883.867	6023490.035	0	RS-700	0.06281528302
3714	-122.361	37.717	2137.983	2088882.150	6023492.142	0	RS-700	-0.06300220126
3715	-122.361	37.717	2250.686	2088880.614	6023494.310	0	RS-700	0.64582289308
3716	-122.361	37.717	2253.033	2088878.861	6023496.387	0	RS-700	0.66058566038
3717	-122.361	37.717	2196.350	2088877.145	6023498.407	0	RS-700	0.30408993711
3718	-122.361	37.717	2196.227	2088875.611	6023500.489	0	RS-700	0.30331528302
3719	-122.361	37.717	2083.428	2088873.896	6023502.480	0	RS-700	-0.40611270440
3720	-122.361	37.717	2097.848	2088872.287	6023504.646	0	RS-700	-0.31542031447
3721	-122.361	37.717	2183.897	2088871.263	6023506.680	0	RS-700	0.22576754717
3722	-122.361	37.717	2052.232	2088871.258	6023508.763	0	RS-700	-0.60231251572
3723	-122.361	37.717	2021.703	2088871.785	6023509.728	0	RS-700	-0.79432352201
3724	-122.361	37.717	1951.601	2088871.812	6023510.191	0	RS-700	-1.23521276730
3725	-122.361	37.717	1921.713	2088871.717	6023509.495	0	RS-700	-1.42319069182
3726	-122.361	37.717	1887.493	2088871.321	6023509.227	0	RS-700	-1.63840647799
3727	-122.361	37.717	1990.837	2088871.611	6023509.320	0	RS-700	-0.98844723270
3728	-122.361	37.717	1873.788	2088870.561	6023509.009	0	RS-700	-1.72460276730
3729	-122.361	37.717	1878.697	2088870.199	6023508.886	0	RS-700	-1.69373075472
3730	-122.361	37.717	1958.684	2088870.819	6023508.841	0	RS-700	-1.19066798742
3731	-122.361	37.717	1829.281	2088870.314	6023508.628	0	RS-700	-2.00452182390
3732	-122.361	37.717	1859.478	2088868.568	6023508.507	0	RS-700	-1.81460220126
3733	-122.361	37.717	1996.512	2088866.884	6023508.936	0	RS-700	-0.95275490566
3734	-122.361	37.717	2063.852	2088865.345	6023509.426	0	RS-700	-0.52923031447

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3735	-122.361	37.717	2001.718	2088865.053	6023509.450	0	RS-700	-0.92001339623
3736	-122.361	37.717	1984.518	2088865.603	6023509.258	0	RS-700	-1.02819000000
3737	-122.361	37.717	1764.560	2088866.632	6023508.787	0	RS-700	-2.41157320755
3738	-122.361	37.717	1776.479	2088868.050	6023508.931	0	RS-700	-2.33661100629
3739	-122.361	37.717	1769.703	2088869.021	6023509.528	0	RS-700	-2.37922408805
3740	-122.361	37.717	1815.202	2088869.669	6023509.889	0	RS-700	-2.09307088050
3741	-122.361	37.717	1863.463	2088870.612	6023510.110	0	RS-700	-1.78954213836
3742	-122.361	37.717	2000.819	2088872.066	6023510.254	0	RS-700	-0.92566603774
3743	-122.361	37.717	1946.598	2088872.797	6023510.124	0	RS-700	-1.26667811321
3744	-122.361	37.717	2175.214	2088873.822	6023509.826	0	RS-700	0.17115484277
3745	-122.361	37.717	2118.184	2088874.855	6023509.182	0	RS-700	-0.18752402516
3746	-122.361	37.717	2186.006	2088876.112	6023508.252	0	RS-700	0.23903415094
3747	-122.361	37.717	2224.017	2088877.367	6023507.409	0	RS-700	0.47809660377
3748	-122.361	37.717	2196.227	2088878.484	6023506.187	0	RS-700	0.30331660377
3749	-122.361	37.717	2190.131	2088879.315	6023504.670	0	RS-700	0.26497270440
3750	-122.361	37.717	2202.006	2088880.260	6023502.953	0	RS-700	0.33965937107
3751	-122.361	37.717	2185.110	2088881.350	6023501.210	0	RS-700	0.23339477987
3752	-122.361	37.717	2244.472	2088882.515	6023499.440	0	RS-700	0.60674276730
3753	-122.361	37.717	2275.439	2088883.891	6023497.992	0	RS-700	0.80150232704
3754	-122.361	37.717	2248.030	2088885.339	6023496.603	0	RS-700	0.62912163522
3755	-122.361	37.717	2280.586	2088886.459	6023495.236	0	RS-700	0.83387685535
3756	-122.361	37.717	2297.282	2088887.352	6023494.271	0	RS-700	0.93888062893
3757	-122.361	37.717	2271.932	2088887.875	6023493.616	0	RS-700	0.77944943396
3758	-122.361	37.717	2221.568	2088888.098	6023493.389	0	RS-700	0.46269100629
3759	-122.361	37.717	2318.400	2088888.098	6023493.389	0	RS-700	1.07169729560
3760	-122.361	37.717	2322.962	2088888.098	6023493.389	0	RS-700	1.10039125786
3761	-122.361	37.717	2325.414	2088888.097	6023493.417	0	RS-700	1.11580955975
3762	-122.361	37.717	2259.590	2088888.135	6023493.360	0	RS-700	0.70182591195
3763	-122.361	37.717	2186.553	2088888.135	6023493.360	0	RS-700	0.24246962264
3764	-122.361	37.717	2191.896	2088888.135	6023493.360	0	RS-700	0.27607327044
3765	-122.361	37.717	2220.795	2088888.135	6023493.360	0	RS-700	0.45783176101
3766	-122.361	37.717	2247.265	2088888.135	6023493.360	0	RS-700	0.62430886793
3767	-122.361	37.717	2225.796	2088888.135	6023493.331	0	RS-700	0.48928245283
3768	-122.361	37.717	2370.451	2088888.099	6023493.331	0	RS-700	1.39906427673
3769	-122.361	37.717	2242.353	2088888.135	6023493.360	0	RS-700	0.59341333333
3770	-122.361	37.717	2256.374	2088888.135	6023493.360	0	RS-700	0.68159842767
3771	-122.361	37.717	2430.847	2088888.135	6023493.331	0	RS-700	1.77891503145
3772	-122.361	37.717	2232.691	2088888.171	6023493.361	0	RS-700	0.53265075472
3773	-122.361	37.717	2237.117	2088888.172	6023493.332	0	RS-700	0.56048628931
3774	-122.361	37.717	2351.075	2088888.172	6023493.332	0	RS-700	1.27720396226
3775	-122.361	37.717	2215.461	2088888.172	6023493.332	0	RS-700	0.42428207547
3776	-122.361	37.717	2217.129	2088888.172	6023493.332	0	RS-700	0.43477446541
3777	-122.361	37.717	2376.218	2088888.172	6023493.332	0	RS-700	1.43533018868
3778	-122.361	37.717	2274.382	2088888.208	6023493.333	0	RS-700	0.79485710692
3779	-122.361	37.717	2368.443	2088888.208	6023493.362	0	RS-700	1.38643641509

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3780	-122.361	37.717	2253.033	2088888.207	6023493.391	0	RS-700	0.66058786164
3781	-122.361	37.717	2262.362	2088888.207	6023493.391	0	RS-700	0.71926050315
3782	-122.361	37.717	2282.366	2088888.207	6023493.391	0	RS-700	0.84506880503
3783	-122.361	37.717	2299.715	2088888.207	6023493.391	0	RS-700	0.95418056604
3784	-122.361	37.717	2285.508	2088888.207	6023493.391	0	RS-700	0.86483245283
3785	-122.361	37.717	2296.626	2088888.207	6023493.391	0	RS-700	0.93475182390
3786	-122.361	37.717	2289.173	2088888.207	6023493.391	0	RS-700	0.88788295598
3787	-122.361	37.717	2305.947	2088888.171	6023493.390	0	RS-700	0.99337440252
3788	-122.361	37.717	2251.689	2088888.171	6023493.390	0	RS-700	0.65213238994
3789	-122.361	37.717	2220.131	2088888.208	6023493.362	0	RS-700	0.45365345912
3790	-122.361	37.717	2251.904	2088888.207	6023493.391	0	RS-700	0.65348691824
3791	-122.361	37.717	2269.169	2088888.207	6023493.391	0	RS-700	0.76206710692
3792	-122.361	37.717	2201.788	2088888.206	6023493.420	0	RS-700	0.33828924528
3793	-122.361	37.717	2215.243	2088888.206	6023493.420	0	RS-700	0.42291207547
3794	-122.361	37.717	2319.830	2088888.171	6023493.390	0	RS-700	1.08069490566
3795	-122.361	37.717	2302.171	2088888.171	6023493.361	0	RS-700	0.96962773585
3796	-122.361	37.717	2331.963	2088888.171	6023493.390	0	RS-700	1.15699723270
3797	-122.361	37.717	2314.830	2088888.207	6023493.391	0	RS-700	1.04924578616
3798	-122.361	37.717	2227.798	2088888.207	6023493.391	0	RS-700	0.50187389937
3799	-122.361	37.717	2221.799	2088888.206	6023493.420	0	RS-700	0.46414666667
3800	-122.361	37.717	2240.135	2088888.656	6023492.792	0	RS-700	0.57946811321
3801	-122.361	37.717	2275.587	2088889.737	6023491.541	0	RS-700	0.80243213837
3802	-122.361	37.717	2276.164	2088890.896	6023490.001	0	RS-700	0.80606100629
3803	-122.361	37.717	2219.342	2088891.984	6023488.432	0	RS-700	0.44869383648
3804	-122.361	37.717	2222.802	2088893.216	6023486.894	0	RS-700	0.47045144654
3805	-122.361	37.717	2342.409	2088894.192	6023485.467	0	RS-700	1.22269742138
3806	-122.361	37.717	2268.922	2088895.316	6023483.840	0	RS-700	0.76051289308
3807	-122.361	37.717	2192.224	2088896.623	6023482.246	0	RS-700	0.27813716981
3808	-122.361	37.717	2171.102	2088897.927	6023480.739	0	RS-700	0.14529761006
3809	-122.361	37.717	2164.880	2088899.375	6023479.379	0	RS-700	0.10616547170
3810	-122.361	37.717	2206.011	2088900.789	6023477.874	0	RS-700	0.36485069182
3811	-122.361	37.717	2125.773	2088902.208	6023476.108	0	RS-700	-0.13979044025
3812	-122.361	37.717	2143.454	2088903.445	6023474.310	0	RS-700	-0.02859037736
3813	-122.361	37.717	2026.623	2088904.682	6023472.541	0	RS-700	-0.76338044025
3814	-122.361	37.717	2054.842	2088906.031	6023470.659	0	RS-700	-0.58590106918
3815	-122.361	37.717	2151.310	2088907.378	6023468.834	0	RS-700	0.02081773585
3816	-122.361	37.717	2127.073	2088908.838	6023466.838	0	RS-700	-0.13161861635
3817	-122.361	37.717	2271.600	2088910.370	6023464.901	0	RS-700	0.77735905660
3818	-122.361	37.717	2220.908	2088911.904	6023462.849	0	RS-700	0.45854194969
3819	-122.361	37.717	2196.897	2088913.509	6023460.884	0	RS-700	0.30752723270
3820	-122.361	37.717	2272.585	2088914.894	6023459.002	0	RS-700	0.78355150943
3821	-122.361	37.717	2329.299	2088916.283	6023456.918	0	RS-700	1.14024345912
3822	-122.361	37.717	2231.801	2088917.957	6023455.158	0	RS-700	0.52704842767
3823	-122.361	37.717	2198.790	2088919.526	6023453.164	0	RS-700	0.31943704403
3824	-122.361	37.717	2259.077	2088920.875	6023451.281	0	RS-700	0.69859930818

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3825	-122.361	37.717	2270.049	2088922.368	6023449.430	0	RS-700	0.76760226415
3826	-122.361	37.717	2129.081	2088923.826	6023447.550	0	RS-700	-0.11898811321
3827	-122.361	37.717	2318.187	2088925.358	6023445.613	0	RS-700	1.07035937107
3828	-122.361	37.717	2262.693	2088926.777	6023443.848	0	RS-700	0.72134226415
3829	-122.361	37.717	2303.594	2088928.230	6023442.170	0	RS-700	0.97857893082
3830	-122.361	37.717	2310.933	2088929.167	6023440.858	0	RS-700	1.02473522013
3831	-122.361	37.717	2167.322	2088929.360	6023440.283	0	RS-700	0.12151993711
3832	-122.361	37.717	2229.600	2088929.406	6023439.821	0	RS-700	0.51320522013
3833	-122.361	37.717	2348.078	2088929.356	6023438.663	0	RS-700	1.25835515723
3834	-122.361	37.717	2275.805	2088929.171	6023436.981	0	RS-700	0.80380289308
3835	-122.361	37.717	2303.181	2088929.278	6023435.247	0	RS-700	0.97598176101
3836	-122.361	37.717	2310.749	2088929.860	6023433.465	0	RS-700	1.02357654088
3837	-122.361	37.717	2274.810	2088930.401	6023431.914	0	RS-700	0.79754861635
3838	-122.361	37.717	2362.961	2088931.084	6023430.510	0	RS-700	1.35195540881
3839	-122.361	37.717	2329.069	2088932.086	6023429.575	0	RS-700	1.13879685535
3840	-122.361	37.717	2371.743	2088933.368	6023429.195	0	RS-700	1.40718710692
3841	-122.361	37.717	2234.569	2088934.353	6023429.128	0	RS-700	0.54446088050
3842	-122.361	37.717	2282.162	2088935.048	6023428.997	0	RS-700	0.84378327044
3843	-122.361	37.717	2391.961	2088936.292	6023428.704	0	RS-700	1.53434786164
3844	-122.361	37.717	2228.263	2088937.967	6023428.679	0	RS-700	0.50479974843
3845	-122.361	37.717	2275.928	2088939.541	6023428.277	0	RS-700	0.80457823899
3846	-122.361	37.717	2330.607	2088940.612	6023427.575	0	RS-700	1.14846993711
3847	-122.361	37.717	2136.867	2088940.461	6023427.803	0	RS-700	-0.07002194969
3848	-122.361	37.717	2247.144	2088939.672	6023429.031	0	RS-700	0.62354729560
3849	-122.361	37.717	2345.843	2088938.811	6023430.229	0	RS-700	1.24429635220
3850	-122.361	37.717	2318.175	2088938.325	6023430.856	0	RS-700	1.07028534591
3851	-122.361	37.717	2308.525	2088938.399	6023430.800	0	RS-700	1.00959119497
3852	-122.361	37.717	2306.945	2088938.923	6023430.058	0	RS-700	0.99965207547
3853	-122.361	37.717	2244.227	2088939.746	6023428.975	0	RS-700	0.60520433962
3854	-122.361	37.717	2345.078	2088940.828	6023427.666	0	RS-700	1.23948150943
3855	-122.361	37.717	2263.809	2088942.061	6023426.128	0	RS-700	0.72835578616
3856	-122.361	37.717	2186.216	2088943.215	6023424.849	0	RS-700	0.24035427673
3857	-122.361	37.717	2129.083	2088944.632	6023423.170	0	RS-700	-0.11897704403
3858	-122.361	37.717	2045.844	2088946.088	6023421.406	0	RS-700	-0.64249088050
3859	-122.361	37.717	2226.026	2088947.620	6023419.440	0	RS-700	0.49072735849
3860	-122.361	37.717	2178.334	2088949.153	6023417.445	0	RS-700	0.19078125786
3861	-122.361	37.717	2118.866	2088950.572	6023415.680	0	RS-700	-0.18323119497
3862	-122.361	37.717	1851.573	2088951.702	6023413.793	0	RS-700	-1.86431805031
3863	-122.361	37.717	1833.299	2088952.936	6023412.197	0	RS-700	-1.97924893082
3864	-122.361	37.717	1877.476	2088954.135	6023410.485	0	RS-700	-1.70141000000
3865	-122.361	37.717	2008.819	2088955.444	6023408.747	0	RS-700	-0.87535201258
3866	-122.361	37.717	2136.267	2088956.905	6023406.722	0	RS-700	-0.07379415094
3867	-122.361	37.717	2209.442	2088958.475	6023404.670	0	RS-700	0.38642698113
3868	-122.361	37.717	2273.268	2088959.641	6023402.813	0	RS-700	0.78784748428
3869	-122.361	37.717	2223.133	2088960.837	6023401.303	0	RS-700	0.47253371069

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3870	-122.361	37.717	2200.664	2088962.184	6023399.507	0	RS-700	0.33122050315
3871	-122.361	37.717	2153.665	2088963.570	6023397.539	0	RS-700	0.03562698113
3872	-122.361	37.717	2208.334	2088964.812	6023395.538	0	RS-700	0.37946044025
3873	-122.361	37.717	2206.236	2088966.267	6023393.774	0	RS-700	0.36626459120
3874	-122.361	37.717	2240.817	2088967.835	6023391.837	0	RS-700	0.58375377359
3875	-122.361	37.717	2193.786	2088969.406	6023389.757	0	RS-700	0.28796169811
3876	-122.361	37.717	2255.148	2088970.942	6023387.618	0	RS-700	0.67388415094
3877	-122.361	37.717	2121.663	2088972.624	6023385.452	0	RS-700	-0.16563993711
3878	-122.361	37.717	2234.248	2088974.231	6023383.372	0	RS-700	0.54243849057
3879	-122.361	37.717	2207.569	2088975.839	6023381.292	0	RS-700	0.37464836478
3880	-122.361	37.717	2180.662	2088977.483	6023379.184	0	RS-700	0.20541899371
3881	-122.361	37.717	2135.990	2088979.163	6023377.106	0	RS-700	-0.07553176101
3882	-122.361	37.717	2295.469	2088980.841	6023375.143	0	RS-700	0.92747704403
3883	-122.361	37.717	2258.358	2088982.447	6023373.150	0	RS-700	0.69407830189
3884	-122.361	37.717	2286.168	2088984.016	6023371.185	0	RS-700	0.86898358491
3885	-122.361	37.717	2195.115	2088985.513	6023369.132	0	RS-700	0.29631924528
3886	-122.361	37.717	2204.913	2088986.977	6023366.933	0	RS-700	0.35794050315
3887	-122.361	37.717	2157.992	2088988.515	6023364.678	0	RS-700	0.06284094340
3888	-122.361	37.717	2155.883	2088990.124	6023362.511	0	RS-700	0.04957823899
3889	-122.361	37.717	2105.965	2088991.806	6023360.375	0	RS-700	-0.26437182390
3890	-122.361	37.717	2119.185	2088993.270	6023358.148	0	RS-700	-0.18122490566
3891	-122.361	37.717	2183.889	2088994.737	6023355.805	0	RS-700	0.22571842767
3892	-122.361	37.717	2298.128	2088996.350	6023353.464	0	RS-700	0.94419874214
3893	-122.361	37.717	2242.251	2088997.961	6023351.211	0	RS-700	0.59277150943
3894	-122.361	37.717	2260.472	2088999.680	6023348.989	0	RS-700	0.70737188679
3895	-122.361	37.717	2249.831	2089001.435	6023346.825	0	RS-700	0.64044408805
3896	-122.361	37.717	2196.885	2089003.225	6023344.691	0	RS-700	0.30745075472
3897	-122.361	37.717	2148.423	2089005.092	6023342.413	0	RS-700	0.00266314465
3898	-122.361	37.717	2079.537	2089006.996	6023340.050	0	RS-700	-0.43058270440
3899	-122.361	37.717	2243.142	2089008.863	6023337.744	0	RS-700	0.59837421384
3900	-122.361	37.717	2094.339	2089010.620	6023335.464	0	RS-700	-0.33748779874
3901	-122.361	37.717	2102.865	2089012.378	6023333.127	0	RS-700	-0.28386490566
3902	-122.361	37.717	2130.974	2089014.065	6023330.730	0	RS-700	-0.10708169811
3903	-122.361	37.717	2060.640	2089015.642	6023328.332	0	RS-700	-0.54943679245
3904	-122.361	37.717	2139.662	2089017.287	6023326.166	0	RS-700	-0.05244213836
3905	-122.361	37.717	2106.853	2089019.043	6023323.944	0	RS-700	-0.25878867925
3906	-122.361	37.717	2209.351	2089020.978	6023321.899	0	RS-700	0.38585295598
3907	-122.361	37.717	2093.164	2089022.804	6023319.795	0	RS-700	-0.34488314465
3908	-122.361	37.717	2063.626	2089024.632	6023317.633	0	RS-700	-0.53065207547
3909	-122.361	37.717	2040.733	2089026.423	6023315.470	0	RS-700	-0.67463754717
3910	-122.361	37.717	2079.055	2089028.215	6023313.249	0	RS-700	-0.43361459120
3911	-122.361	37.717	2148.665	2089029.972	6023310.969	0	RS-700	0.00418477987
3912	-122.361	37.717	2093.174	2089031.693	6023308.689	0	RS-700	-0.34481817610
3913	-122.361	37.717	2072.950	2089033.558	6023306.469	0	RS-700	-0.47201176101
3914	-122.361	37.717	2124.651	2089035.311	6023304.392	0	RS-700	-0.14684647799

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3915	-122.361	37.717	2074.054	2089036.878	6023302.514	0	RS-700	-0.46506805031
3916	-122.361	37.717	2060.638	2089038.116	6023300.716	0	RS-700	-0.54944880503
3917	-122.361	37.717	2104.067	2089039.310	6023299.236	0	RS-700	-0.27630553459
3918	-122.361	37.717	2078.359	2089039.941	6023298.670	0	RS-700	-0.43799226415
3919	-122.361	37.717	2110.440	2089039.978	6023298.641	0	RS-700	-0.23622534591
3920	-122.361	37.717	2051.532	2089040.164	6023298.443	0	RS-700	-0.60671962264
3921	-122.361	37.717	2068.260	2089040.912	6023297.445	0	RS-700	-0.50151245283
3922	-122.361	37.717	2074.158	2089041.376	6023296.094	0	RS-700	-0.46441591195
3923	-122.361	37.717	2180.564	2089041.356	6023295.284	0	RS-700	0.20480616352
3924	-122.361	37.717	2079.539	2089041.914	6023296.481	0	RS-700	-0.43057125786
3925	-122.361	37.717	2046.631	2089042.195	6023297.008	0	RS-700	-0.63754006289
3926	-122.361	37.717	2044.527	2089041.671	6023295.927	0	RS-700	-0.65077201258
3927	-122.361	37.717	2089.848	2089041.004	6023294.640	0	RS-700	-0.36573333333
3928	-122.361	37.717	2085.649	2089040.226	6023293.468	0	RS-700	-0.39214528302
3929	-122.361	37.717	2037.525	2089039.669	6023292.213	0	RS-700	-0.69480836478
3930	-122.361	37.717	2113.302	2089039.516	6023290.705	0	RS-700	-0.21822704403
3931	-122.361	37.717	2136.983	2089039.765	6023289.206	0	RS-700	-0.06929075472
3932	-122.361	37.717	2170.999	2089040.556	6023287.862	0	RS-700	0.14464981132
3933	-122.361	37.717	2127.499	2089041.592	6023287.044	0	RS-700	-0.12893874214
3934	-122.361	37.717	2050.844	2089042.517	6023286.339	0	RS-700	-0.61104622642
3935	-122.361	37.717	2119.649	2089043.475	6023285.779	0	RS-700	-0.17830672956
3936	-122.361	37.717	2054.518	2089044.642	6023285.716	0	RS-700	-0.58793591195
3937	-122.361	37.717	2137.664	2089045.440	6023285.847	0	RS-700	-0.06500471698
3938	-122.361	37.717	2191.888	2089046.349	6023285.952	0	RS-700	0.27602817610
3939	-122.361	37.717	2133.766	2089047.737	6023285.719	0	RS-700	-0.08951987421
3940	-122.361	37.717	2134.308	2089049.213	6023284.765	0	RS-700	-0.08611509434
3941	-122.361	37.717	2218.455	2089049.921	6023283.940	0	RS-700	0.44311176101
3942	-122.361	37.717	2220.015	2089049.243	6023285.055	0	RS-700	0.45292522013
3943	-122.361	37.717	2298.401	2089048.598	6023286.402	0	RS-700	0.94592106918
3944	-122.361	37.717	2251.356	2089047.960	6023287.315	0	RS-700	0.65004062893
3945	-122.361	37.717	2182.111	2089047.997	6023287.287	0	RS-700	0.21453289308
3946	-122.361	37.717	2200.120	2089048.302	6023286.627	0	RS-700	0.32779672956
3947	-122.361	37.717	2242.364	2089049.275	6023285.316	0	RS-700	0.59348553459
3948	-122.361	37.717	2201.791	2089050.691	6023283.695	0	RS-700	0.33830930818
3949	-122.361	37.717	2137.544	2089052.121	6023281.351	0	RS-700	-0.06576320755
3950	-122.361	37.717	2176.216	2089053.662	6023278.952	0	RS-700	0.17745716981
3951	-122.361	37.717	2049.631	2089055.344	6023276.786	0	RS-700	-0.61867276730
3952	-122.361	37.717	2069.757	2089056.993	6023274.447	0	RS-700	-0.49209679245
3953	-122.361	37.717	2035.367	2089058.898	6023272.084	0	RS-700	-0.70838540881
3954	-122.362	37.717	1751.565	2089060.615	6023269.948	0	RS-700	-2.49330050314
3955	-122.362	37.717	1742.989	2089062.114	6023267.866	0	RS-700	-2.54724100629
3956	-122.362	37.717	1770.029	2089063.399	6023265.490	0	RS-700	-2.37717358491
3957	-122.362	37.717	2112.867	2089064.864	6023263.234	0	RS-700	-0.22096452830
3958	-122.362	37.717	2097.544	2089066.502	6023261.473	0	RS-700	-0.31733603774
3959	-122.362	37.717	2023.519	2089068.031	6023259.652	0	RS-700	-0.78289962264

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3960	-122.362	37.717	2181.109	2089069.337	6023258.087	0	RS-700	0.20823094340
3961	-122.362	37.717	2129.871	2089070.828	6023256.380	0	RS-700	-0.11402157233
3962	-122.362	37.717	2081.065	2089072.291	6023254.211	0	RS-700	-0.42097314465
3963	-122.362	37.717	2194.681	2089073.717	6023252.127	0	RS-700	0.29359364780
3964	-122.362	37.717	2124.766	2089075.251	6023250.046	0	RS-700	-0.14612320755
3965	-122.362	37.718	2145.763	2089077.042	6023247.883	0	RS-700	-0.01407138365
3966	-122.362	37.718	2174.118	2089078.762	6023245.661	0	RS-700	0.16426471698
3967	-122.362	37.718	2199.682	2089080.480	6023243.525	0	RS-700	0.32504333333
3968	-122.362	37.718	2293.055	2089082.198	6023241.360	0	RS-700	0.91229761006
3969	-122.362	37.718	2297.508	2089083.991	6023239.111	0	RS-700	0.94030477987
3970	-122.362	37.718	2381.689	2089085.746	6023236.918	0	RS-700	1.46974270440
3971	-122.362	37.718	2580.935	2089087.350	6023235.011	0	RS-700	1.12884073314
3972	-122.362	37.718	2732.243	2089088.251	6023233.641	0	RS-700	1.57256108504
3973	-122.362	37.718	2448.765	2089089.218	6023232.647	0	RS-700	0.74124583578
3974	-122.362	37.718	1962.998	2089090.448	6023231.254	0	RS-700	-0.68328903226
3975	-122.362	37.718	1599.657	2089091.639	6023229.947	0	RS-700	-1.74880521994
3976	-122.362	37.718	1825.474	2089092.801	6023228.292	0	RS-700	-1.08658695015
3977	-122.362	37.718	2325.951	2089093.626	6023227.094	0	RS-700	0.38108923754
3978	-122.362	37.718	2622.118	2089094.927	6023225.789	0	RS-700	1.24961196481
3979	-122.362	37.718	2396.987	2089096.236	6023224.021	0	RS-700	0.58940609971
3980	-122.362	37.718	2206.005	2089097.179	6023222.420	0	RS-700	0.02934090909
3981	-122.362	37.718	2170.426	2089098.884	6023220.892	0	RS-700	-0.07499565982
3982	-122.362	37.718	2223.358	2089100.852	6023219.021	0	RS-700	0.47395238994
3983	-122.362	37.718	2164.774	2089102.388	6023216.882	0	RS-700	0.10549981132
3984	-122.362	37.718	2133.981	2089104.031	6023214.803	0	RS-700	-0.08817075472
3985	-122.362	37.718	2220.681	2089105.712	6023212.696	0	RS-700	0.45711358491
3986	-122.362	37.718	2259.145	2089107.284	6023210.586	0	RS-700	0.69902220126
3987	-122.362	37.718	2280.824	2089108.746	6023208.474	0	RS-700	0.83537257862
3988	-122.362	37.718	2270.156	2089110.207	6023206.420	0	RS-700	0.76827584906
3989	-122.362	37.718	2186.897	2089111.815	6023204.340	0	RS-700	0.24463792453
3990	-122.362	37.718	2138.660	2089113.458	6023202.290	0	RS-700	-0.05873974843
3991	-122.362	37.718	2180.433	2089115.138	6023200.212	0	RS-700	0.20398383648
3992	-122.362	37.718	2208.571	2089116.854	6023198.192	0	RS-700	0.38094867925
3993	-122.362	37.718	2196.678	2089118.570	6023196.143	0	RS-700	0.30615194969
3994	-122.362	37.718	2190.792	2089120.104	6023194.090	0	RS-700	0.26913433962
3995	-122.362	37.718	2264.380	2089121.605	6023191.864	0	RS-700	0.73194880503
3996	-122.362	37.718	2213.811	2089122.995	6023189.693	0	RS-700	0.41390616352
3997	-122.362	37.718	2288.053	2089124.494	6023187.582	0	RS-700	0.88083666667
3998	-122.362	37.718	2247.476	2089125.993	6023185.442	0	RS-700	0.62563522013
3999	-122.362	37.718	2274.727	2089127.455	6023183.359	0	RS-700	0.79702415094
4000	-122.362	37.718	2295.595	2089129.098	6023181.309	0	RS-700	0.92826880503
4001	-122.362	37.718	2294.937	2089130.778	6023179.288	0	RS-700	0.92413484277
4002	-122.362	37.718	2183.444	2089132.419	6023177.325	0	RS-700	0.22291830189
4003	-122.362	37.718	2312.407	2089133.987	6023175.417	0	RS-700	1.03400666667
4004	-122.362	37.718	2281.047	2089135.482	6023173.480	0	RS-700	0.83677509434



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4005	-122.362	37.718	2244.029	2089136.977	6023171.542	0	RS-700	0.60395855346
4006	-122.362	37.718	2178.880	2089138.438	6023169.517	0	RS-700	0.19421679245
4007	-122.362	37.718	2265.244	2089139.896	6023167.608	0	RS-700	0.73738182390
4008	-122.362	37.718	2213.800	2089141.424	6023165.874	0	RS-700	0.41383566038
4009	-122.362	37.718	2350.072	2089142.882	6023163.964	0	RS-700	1.27089163522
4010	-122.362	37.718	2314.831	2089144.376	6023162.114	0	RS-700	1.04925031447
4011	-122.362	37.718	2263.471	2089145.906	6023160.264	0	RS-700	0.72623433962
4012	-122.362	37.718	2255.038	2089147.214	6023158.583	0	RS-700	0.67319295598
4013	-122.362	37.718	2214.900	2089148.517	6023157.162	0	RS-700	0.42075547170
4014	-122.362	37.718	2234.153	2089149.114	6023156.422	0	RS-700	0.54183974843
4015	-122.362	37.718	2212.905	2089149.496	6023155.562	0	RS-700	0.40820509434
4016	-122.362	37.718	2214.005	2089149.661	6023154.552	0	RS-700	0.41512861635
4017	-122.362	37.718	2154.885	2089149.395	6023153.274	0	RS-700	0.04330037736
4018	-122.362	37.718	2286.807	2089148.836	6023152.077	0	RS-700	0.87299968554
4019	-122.362	37.718	2211.010	2089148.350	6023150.910	0	RS-700	0.39629182390
4020	-122.362	37.718	2333.839	2089148.083	6023149.661	0	RS-700	1.16880138365
4021	-122.362	37.718	2265.925	2089148.326	6023148.450	0	RS-700	0.74166842767
4022	-122.362	37.718	2348.964	2089148.862	6023147.130	0	RS-700	1.26392547170
4023	-122.362	37.718	2289.705	2089149.873	6023145.762	0	RS-700	0.89122792453
4024	-122.362	37.718	2226.133	2089151.024	6023144.656	0	RS-700	0.49140044025
4025	-122.362	37.718	2264.404	2089152.535	6023143.761	0	RS-700	0.73210144654
4026	-122.362	37.718	2282.044	2089154.147	6023143.272	0	RS-700	0.84304320755
4027	-122.362	37.718	2272.703	2089155.564	6023143.416	0	RS-700	0.78429691824
4028	-122.362	37.718	2219.135	2089156.611	6023143.900	0	RS-700	0.44738679245
4029	-122.362	37.718	2224.463	2089157.550	6023144.294	0	RS-700	0.48090226415
4030	-122.362	37.718	2249.037	2089158.893	6023144.495	0	RS-700	0.63545528302
4031	-122.362	37.718	2239.137	2089160.172	6023144.289	0	RS-700	0.57318867925
4032	-122.362	37.718	2277.703	2089160.318	6023144.263	0	RS-700	0.81574163522
4033	-122.362	37.718	2227.575	2089158.919	6023145.045	0	RS-700	0.50047427673
4034	-122.362	37.718	2237.024	2089157.843	6023146.036	0	RS-700	0.55989911950
4035	-122.362	37.718	2258.690	2089158.325	6023145.583	0	RS-700	0.69616238994
4036	-122.362	37.718	2253.360	2089159.357	6023144.996	0	RS-700	0.66263955975
4037	-122.362	37.718	2187.684	2089159.725	6023144.801	0	RS-700	0.24958628931
4038	-122.362	37.718	2283.462	2089159.319	6023145.053	0	RS-700	0.85195981132
4039	-122.362	37.718	2279.045	2089159.356	6023145.054	0	RS-700	0.82418314465
4040	-122.362	37.718	2159.560	2089159.727	6023144.685	0	RS-700	0.07270169811
4041	-122.362	37.718	2290.719	2089159.726	6023144.743	0	RS-700	0.89760176101
4042	-122.362	37.718	2258.482	2089160.763	6023143.867	0	RS-700	0.69485641509
4043	-122.362	37.718	2182.328	2089161.333	6023142.692	0	RS-700	0.21590100629
4044	-122.362	37.718	2234.473	2089161.393	6023141.478	0	RS-700	0.54385716981
4045	-122.362	37.718	2262.934	2089161.666	6023140.615	0	RS-700	0.72285270440
4046	-122.362	37.718	2290.501	2089161.065	6023141.529	0	RS-700	0.89623572327
4047	-122.362	37.718	2294.474	2089159.945	6023142.867	0	RS-700	0.92121761006
4048	-122.362	37.718	2304.598	2089159.049	6023143.977	0	RS-700	0.98489308176
4049	-122.362	37.718	2333.303	2089158.524	6023144.748	0	RS-700	1.16542937107

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4050	-122.362	37.718	2292.937	2089158.413	6023144.832	0	RS-700	0.91155201258
4051	-122.362	37.718	2322.950	2089159.384	6023143.608	0	RS-700	1.10031635220
4052	-122.362	37.718	2188.998	2089160.657	6023141.897	0	RS-700	0.25784924528
4053	-122.362	37.718	2279.587	2089161.969	6023140.014	0	RS-700	0.82759308176
4054	-122.362	37.718	2269.928	2089163.283	6023138.044	0	RS-700	0.76684012579
4055	-122.362	37.718	2293.824	2089164.816	6023136.049	0	RS-700	0.91712911950
4056	-122.362	37.718	2175.784	2089166.317	6023133.823	0	RS-700	0.17474264151
4057	-122.362	37.718	2204.357	2089167.891	6023131.597	0	RS-700	0.35444459120
4058	-122.362	37.718	2324.182	2089169.610	6023129.375	0	RS-700	1.10806459119
4059	-122.362	37.718	2183.680	2089171.291	6023127.268	0	RS-700	0.22440113208
4060	-122.362	37.718	2311.367	2089172.676	6023125.357	0	RS-700	1.02746383648
4061	-122.362	37.718	2224.125	2089173.989	6023123.445	0	RS-700	0.47877144654
4062	-122.362	37.718	2299.825	2089175.486	6023121.449	0	RS-700	0.95487150943
4063	-122.362	37.718	2249.702	2089176.983	6023119.425	0	RS-700	0.63963484277
4064	-122.362	37.718	2304.144	2089178.517	6023117.373	0	RS-700	0.98203754717
4065	-122.362	37.718	2322.718	2089179.867	6023115.403	0	RS-700	1.09885540881
4066	-122.362	37.718	2253.694	2089181.251	6023113.579	0	RS-700	0.66474207547
4067	-122.362	37.718	2287.392	2089182.636	6023111.698	0	RS-700	0.87667786164
4068	-122.362	37.718	2239.570	2089184.130	6023109.818	0	RS-700	0.57590930818
4069	-122.362	37.718	2258.809	2089185.588	6023107.938	0	RS-700	0.69691251572
4070	-122.362	37.718	2245.922	2089187.048	6023105.913	0	RS-700	0.61586408805
4071	-122.362	37.718	2358.609	2089188.693	6023103.776	0	RS-700	1.32458603774
4072	-122.362	37.718	2276.724	2089190.304	6023101.522	0	RS-700	0.80958641509
4073	-122.362	37.718	2328.186	2089191.986	6023099.328	0	RS-700	1.13324584906
4074	-122.362	37.718	2327.603	2089193.629	6023097.307	0	RS-700	1.12957798742
4075	-122.362	37.718	2361.912	2089195.273	6023095.227	0	RS-700	1.34535773585
4076	-122.362	37.718	2448.001	2089196.917	6023093.148	0	RS-700	1.88679635220
4077	-122.362	37.718	2427.627	2089198.559	6023091.127	0	RS-700	1.75865962264
4078	-122.362	37.718	2391.097	2089200.129	6023089.133	0	RS-700	1.52890962264
4079	-122.362	37.718	2405.862	2089201.625	6023087.138	0	RS-700	1.62177327044
4080	-122.362	37.718	2373.618	2089203.122	6023085.142	0	RS-700	1.41898345912
4081	-122.362	37.718	2423.113	2089204.728	6023083.120	0	RS-700	1.73026880503
4082	-122.362	37.718	2378.568	2089206.299	6023081.040	0	RS-700	1.45011452830
4083	-122.362	37.718	2351.490	2089207.869	6023079.017	0	RS-700	1.27981119497
4084	-122.362	37.718	2341.543	2089209.331	6023076.905	0	RS-700	1.21725132075
4085	-122.362	37.718	2385.207	2089210.903	6023074.796	0	RS-700	1.49186949686
4086	-122.362	37.718	2321.599	2089212.547	6023072.688	0	RS-700	1.09181572327
4087	-122.362	37.718	2280.048	2089214.190	6023070.666	0	RS-700	0.83049062893
4088	-122.362	37.718	2321.936	2089215.834	6023068.558	0	RS-700	1.09393647799
4089	-122.362	37.718	2244.252	2089217.514	6023066.509	0	RS-700	0.60535943396
4090	-122.362	37.718	2268.687	2089219.195	6023064.401	0	RS-700	0.75903937107
4091	-122.362	37.718	2290.264	2089220.803	6023062.292	0	RS-700	0.89474289308
4092	-122.362	37.718	2334.955	2089222.411	6023060.184	0	RS-700	1.17581477987
4093	-122.362	37.718	2298.113	2089224.019	6023058.075	0	RS-700	0.94410767296
4094	-122.362	37.718	2167.343	2089225.773	6023055.940	0	RS-700	0.12165383648

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4095	-122.362	37.718	2192.124	2089227.601	6023053.720	0	RS-700	0.27750672956
4096	-122.362	37.718	2222.030	2089229.428	6023051.586	0	RS-700	0.46559603774
4097	-122.362	37.718	2177.673	2089230.894	6023049.330	0	RS-700	0.18662540881
4098	-122.362	37.718	2133.299	2089232.575	6023047.194	0	RS-700	-0.09245672956
4099	-122.362	37.718	2115.063	2089234.258	6023044.971	0	RS-700	-0.20715012579
4100	-122.362	37.718	2194.774	2089235.978	6023042.719	0	RS-700	0.29417641509
4101	-122.362	37.718	2156.202	2089237.624	6023040.525	0	RS-700	0.05158251572
4102	-122.362	37.718	2257.924	2089239.158	6023038.472	0	RS-700	0.69134716981
4103	-122.362	37.718	2239.114	2089240.877	6023036.308	0	RS-700	0.57304226415
4104	-122.362	37.718	2272.604	2089242.485	6023034.170	0	RS-700	0.78367559748
4105	-122.362	37.718	2276.472	2089244.204	6023032.005	0	RS-700	0.80800106918
4106	-122.362	37.718	2217.130	2089245.888	6023029.724	0	RS-700	0.43478012579
4107	-122.362	37.718	2264.151	2089247.494	6023027.702	0	RS-700	0.73050968554
4108	-122.362	37.718	2221.014	2089249.247	6023025.654	0	RS-700	0.45920484277
4109	-122.362	37.718	2249.260	2089250.963	6023023.577	0	RS-700	0.63685534591
4110	-122.362	37.718	2161.668	2089252.568	6023021.641	0	RS-700	0.08596062893
4111	-122.362	37.718	2241.028	2089254.246	6023019.650	0	RS-700	0.58507974843
4112	-122.362	37.718	2356.611	2089255.926	6023017.600	0	RS-700	1.31201767296
4113	-122.362	37.718	2124.436	2089257.381	6023015.864	0	RS-700	-0.14819911950
4114	-122.362	37.718	2265.042	2089258.498	6023014.643	0	RS-700	0.73611226415
4115	-122.362	37.718	2249.031	2089258.892	6023013.146	0	RS-700	0.63541786164
4116	-122.362	37.718	2251.036	2089259.031	6023011.644	0	RS-700	0.64802396226
4117	-122.362	37.718	2231.688	2089259.424	6023010.206	0	RS-700	0.52633974843
4118	-122.362	37.718	2200.232	2089259.419	6023008.614	0	RS-700	0.32850396226
4119	-122.362	37.718	2224.799	2089258.720	6023007.154	0	RS-700	0.48301433962
4120	-122.362	37.718	2255.489	2089258.265	6023006.190	0	RS-700	0.67603006289
4121	-122.362	37.718	2324.939	2089258.101	6023005.290	0	RS-700	1.11282327044
4122	-122.362	37.718	2310.952	2089258.234	6023004.107	0	RS-700	1.02485471698
4123	-122.362	37.718	2221.351	2089258.916	6023002.761	0	RS-700	0.46132503145
4124	-122.362	37.718	2182.108	2089260.245	6023001.890	0	RS-700	0.21451320755
4125	-122.362	37.718	2270.811	2089261.422	6023001.306	0	RS-700	0.77239930818
4126	-122.362	37.718	2198.118	2089262.163	6023000.655	0	RS-700	0.31520830189
4127	-122.362	37.718	2255.153	2089263.156	6023000.155	0	RS-700	0.67391773585
4128	-122.362	37.718	2166.783	2089264.391	6023000.353	0	RS-700	0.11812937107
4129	-122.362	37.718	2225.465	2089265.300	6023000.429	0	RS-700	0.48720352201
4130	-122.362	37.718	2207.120	2089266.798	6023000.140	0	RS-700	0.37182603774
4131	-122.362	37.718	2201.011	2089267.937	6022999.642	0	RS-700	0.33340383648
4132	-122.362	37.718	2324.488	2089268.755	6022998.819	0	RS-700	1.10998823899
4133	-122.362	37.718	2333.593	2089269.690	6022997.565	0	RS-700	1.16725389937
4134	-122.362	37.718	2328.184	2089270.963	6022995.826	0	RS-700	1.13323264151
4135	-122.362	37.718	2329.603	2089272.420	6022993.974	0	RS-700	1.14215528302
4136	-122.362	37.718	2365.682	2089273.984	6022992.270	0	RS-700	1.36907157233
4137	-122.362	37.718	2272.705	2089275.365	6022990.590	0	RS-700	0.78430861635
4138	-122.362	37.718	2212.133	2089276.746	6022988.911	0	RS-700	0.40335421384
4139	-122.363	37.718	2314.066	2089278.276	6022987.061	0	RS-700	1.04443767296

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4140	-122.363	37.718	2345.083	2089279.879	6022985.212	0	RS-700	1.23951603774
4141	-122.363	37.718	2354.722	2089281.264	6022983.330	0	RS-700	1.30014050314
4142	-122.363	37.718	2383.620	2089282.830	6022981.481	0	RS-700	1.48188377358
4143	-122.363	37.718	2373.964	2089284.290	6022979.485	0	RS-700	1.42115540881
4144	-122.363	37.718	2452.129	2089285.716	6022977.373	0	RS-700	1.91275893082
4145	-122.363	37.718	2353.603	2089287.248	6022975.407	0	RS-700	1.29309798742
4146	-122.363	37.718	2313.408	2089288.813	6022973.645	0	RS-700	1.04030132075
4147	-122.363	37.718	2353.186	2089290.196	6022971.878	0	RS-700	1.29047509434
4148	-122.363	37.718	2367.731	2089291.614	6022970.142	0	RS-700	1.38195704403
4149	-122.363	37.718	2374.611	2089293.178	6022968.408	0	RS-700	1.42522566038
4150	-122.363	37.718	2358.192	2089294.598	6022966.614	0	RS-700	1.32196383648
4151	-122.363	37.718	2287.161	2089296.132	6022964.562	0	RS-700	0.87522345912
4152	-122.363	37.718	2277.047	2089297.810	6022962.599	0	RS-700	0.81161522013
4153	-122.363	37.718	2306.942	2089299.305	6022960.690	0	RS-700	0.99963490566
4154	-122.363	37.718	2324.188	2089300.758	6022959.041	0	RS-700	1.10809918239
4155	-122.363	37.718	2392.335	2089301.878	6022957.675	0	RS-700	1.53669515723
4156	-122.363	37.718	2245.245	2089302.138	6022957.391	0	RS-700	0.61160635220
4157	-122.363	37.718	2248.031	2089301.951	6022957.647	0	RS-700	0.62912735849
4158	-122.363	37.718	2400.454	2089301.024	6022958.497	0	RS-700	1.58776364780
4159	-122.363	37.718	2304.600	2089299.410	6022959.072	0	RS-700	0.98490352201
4160	-122.363	37.718	2282.391	2089297.332	6022959.176	0	RS-700	0.84522886793
4161	-122.363	37.718	2284.631	2089297.368	6022959.176	0	RS-700	0.85931654088
4162	-122.363	37.718	2350.202	2089299.086	6022958.892	0	RS-700	1.27171270440
4163	-122.363	37.718	2286.619	2089301.089	6022958.845	0	RS-700	0.87181578616
4164	-122.363	37.718	2269.931	2089302.649	6022959.195	0	RS-700	0.76686094340
4165	-122.363	37.718	2272.357	2089303.698	6022959.534	0	RS-700	0.78211786164
4166	-122.363	37.718	2205.680	2089302.943	6022959.027	0	RS-700	0.36276798742
4167	-122.363	37.718	2212.905	2089301.619	6022957.843	0	RS-700	0.40820622642
4168	-122.363	37.718	2309.596	2089300.518	6022956.433	0	RS-700	1.01632616352
4169	-122.363	37.718	2291.819	2089299.837	6022955.898	0	RS-700	0.90452314465
4170	-122.363	37.718	2202.674	2089300.665	6022956.378	0	RS-700	0.34386182390
4171	-122.363	37.718	2305.938	2089301.487	6022957.175	0	RS-700	0.99331981132
4172	-122.363	37.718	2258.136	2089301.945	6022957.937	0	RS-700	0.69268062893
4173	-122.363	37.718	2173.888	2089302.258	6022958.695	0	RS-700	0.16281628931
4174	-122.363	37.718	2275.047	2089302.272	6022959.795	0	RS-700	0.79903962264
4175	-122.363	37.718	2246.150	2089302.267	6022960.055	0	RS-700	0.61729616352
4176	-122.363	37.718	2299.057	2089302.268	6022960.026	0	RS-700	0.95004201258
4177	-122.363	37.718	2318.299	2089302.246	6022959.273	0	RS-700	1.07106176101
4178	-122.363	37.718	2229.352	2089302.332	6022958.639	0	RS-700	0.51164534591
4179	-122.363	37.718	2259.380	2089302.233	6022959.938	0	RS-700	0.70050364780
4180	-122.363	37.718	2349.328	2089302.094	6022961.440	0	RS-700	1.26621515723
4181	-122.363	37.718	2297.944	2089301.452	6022962.584	0	RS-700	0.94304433962
4182	-122.363	37.718	2328.433	2089300.230	6022963.602	0	RS-700	1.13479597484
4183	-122.363	37.718	2264.814	2089298.679	6022964.670	0	RS-700	0.73467610063
4184	-122.363	37.718	2219.686	2089297.204	6022965.595	0	RS-700	0.45085389937

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4185	-122.363	37.718	2299.289	2089296.869	6022965.936	0	RS-700	0.95150371069
4186	-122.363	37.718	2275.042	2089297.553	6022964.532	0	RS-700	0.79900754717
4187	-122.363	37.718	2343.842	2089298.359	6022962.436	0	RS-700	1.23171182390
4188	-122.363	37.718	2273.715	2089299.312	6022960.314	0	RS-700	0.79066207547
4189	-122.363	37.718	2340.428	2089300.405	6022958.485	0	RS-700	1.21024018868
4190	-122.363	37.718	2171.649	2089300.929	6022957.743	0	RS-700	0.14873427673
4191	-122.363	37.718	2322.203	2089300.742	6022957.999	0	RS-700	1.09561911950
4192	-122.363	37.718	2325.420	2089300.514	6022958.458	0	RS-700	1.11584792453
4193	-122.363	37.718	2369.969	2089300.027	6022959.171	0	RS-700	1.39603371069
4194	-122.363	37.718	2324.486	2089299.242	6022960.168	0	RS-700	1.10997672956
4195	-122.363	37.718	2366.859	2089298.345	6022961.337	0	RS-700	1.37647012579
4196	-122.363	37.718	2350.188	2089297.373	6022962.590	0	RS-700	1.27162220126
4197	-122.363	37.718	2324.599	2089296.253	6022963.985	0	RS-700	1.11068383648
4198	-122.363	37.718	2294.939	2089295.132	6022965.410	0	RS-700	0.92414660377
4199	-122.363	37.718	2287.816	2089293.975	6022966.804	0	RS-700	0.87934710692
4200	-122.363	37.718	2273.043	2089292.929	6022968.143	0	RS-700	0.78643660377
4201	-122.363	37.718	2390.327	2089291.881	6022969.540	0	RS-700	1.52407150943
4202	-122.363	37.718	2323.830	2089290.984	6022970.679	0	RS-700	1.10585150943
4203	-122.363	37.718	2240.704	2089290.123	6022971.848	0	RS-700	0.58304245283
4204	-122.363	37.718	2299.480	2089288.923	6022973.618	0	RS-700	0.95270213837
4205	-122.363	37.718	2321.066	2089287.649	6022975.386	0	RS-700	1.08846553459
4206	-122.363	37.718	2272.817	2089286.788	6022976.555	0	RS-700	0.78500974843
4207	-122.363	37.718	2369.442	2089286.414	6022977.068	0	RS-700	1.39271792453
4208	-122.363	37.718	2345.194	2089286.414	6022977.097	0	RS-700	1.24021100629
4209	-122.363	37.718	2348.967	2089286.449	6022977.127	0	RS-700	1.26394578616
4210	-122.363	37.718	2330.836	2089286.449	6022977.127	0	RS-700	1.14991106918
4211	-122.363	37.718	2345.190	2089286.449	6022977.127	0	RS-700	1.24018867925
4212	-122.363	37.718	2390.091	2089286.449	6022977.127	0	RS-700	1.52258628931
4213	-122.363	37.718	2284.074	2089286.450	6022977.098	0	RS-700	0.85581025157
4214	-122.363	37.718	2267.573	2089286.449	6022977.127	0	RS-700	0.75203440252
4215	-122.363	37.718	2297.828	2089286.450	6022977.098	0	RS-700	0.94231415094
4216	-122.363	37.718	2313.712	2089286.450	6022977.098	0	RS-700	1.04221515723
4217	-122.363	37.718	2293.259	2089286.486	6022977.099	0	RS-700	0.91357836478
4218	-122.363	37.718	2340.841	2089286.450	6022977.069	0	RS-700	1.21283578616
4219	-122.363	37.718	2402.613	2089286.450	6022977.069	0	RS-700	1.60133704403
4220	-122.363	37.718	2283.825	2089286.487	6022977.070	0	RS-700	0.85424509434
4221	-122.363	37.718	2339.076	2089286.487	6022977.070	0	RS-700	1.20173672956
4222	-122.363	37.718	2329.065	2089286.487	6022977.070	0	RS-700	1.13877182390
4223	-122.363	37.718	2390.096	2089286.487	6022977.070	0	RS-700	1.52261528302
4224	-122.363	37.718	2343.782	2089286.487	6022977.070	0	RS-700	1.23133232704
4225	-122.363	37.718	2314.420	2089286.450	6022977.069	0	RS-700	1.04666547170
4226	-122.363	37.718	2217.270	2089286.414	6022977.068	0	RS-700	0.43565742138
4227	-122.363	37.718	2398.219	2089286.450	6022977.098	0	RS-700	1.57370704403
4228	-122.363	37.718	2286.828	2089286.450	6022977.098	0	RS-700	0.87313333333
4229	-122.363	37.718	2268.811	2089286.450	6022977.098	0	RS-700	0.75981836478

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4230	-122.363	37.718	2298.831	2089286.414	6022977.097	0	RS-700	0.94862484277
4231	-122.363	37.718	2331.411	2089286.449	6022977.127	0	RS-700	1.15352610063
4232	-122.363	37.718	2330.589	2089286.449	6022977.127	0	RS-700	1.14835591195
4233	-122.363	37.718	2418.106	2089286.449	6022977.127	0	RS-700	1.69878232704
4234	-122.363	37.718	2300.529	2089286.449	6022977.127	0	RS-700	0.95930264151
4235	-122.363	37.718	2320.425	2089286.449	6022977.127	0	RS-700	1.08443176101
4236	-122.363	37.718	2368.080	2089286.449	6022977.127	0	RS-700	1.38415056604
4237	-122.363	37.718	2331.782	2089286.449	6022977.156	0	RS-700	1.15586364780
4238	-122.363	37.718	2248.807	2089286.448	6022977.185	0	RS-700	0.63400779874
4239	-122.363	37.718	2426.235	2089286.411	6022977.213	0	RS-700	1.74990666667
4240	-122.363	37.718	2284.620	2089286.337	6022977.298	0	RS-700	0.85924723270
4241	-122.363	37.718	2449.491	2089285.699	6022978.240	0	RS-700	1.89616735849
4242	-122.363	37.718	2344.949	2089284.426	6022979.980	0	RS-700	1.23867327044
4243	-122.363	37.718	2241.689	2089283.040	6022981.919	0	RS-700	0.58923610063
4244	-122.363	37.718	2417.594	2089281.613	6022984.061	0	RS-700	1.69556213836
4245	-122.363	37.718	2304.524	2089280.077	6022986.229	0	RS-700	0.98442911950
4246	-122.362	37.718	2279.143	2089278.470	6022988.309	0	RS-700	0.82479867925
4247	-122.362	37.718	2163.692	2089276.899	6022990.360	0	RS-700	0.09869383648
4248	-122.362	37.718	2227.689	2089275.366	6022992.355	0	RS-700	0.50118572327
4249	-122.362	37.718	2255.470	2089274.093	6022994.094	0	RS-700	0.67591377359
4250	-122.362	37.718	2417.216	2089273.119	6022995.493	0	RS-700	1.69318289308
4251	-122.362	37.718	2264.700	2089272.444	6022996.463	0	RS-700	0.73396025157
4252	-122.362	37.718	2315.947	2089272.068	6022997.034	0	RS-700	1.05626874214
4253	-122.362	37.718	2348.177	2089271.882	6022997.262	0	RS-700	1.25897761006
4254	-122.362	37.718	2306.279	2089271.881	6022997.291	0	RS-700	0.99546333333
4255	-122.362	37.718	2355.856	2089271.881	6022997.291	0	RS-700	1.30726798742
4256	-122.362	37.718	2220.368	2089271.917	6022997.320	0	RS-700	0.45514654088
4257	-122.362	37.718	2392.087	2089271.917	6022997.320	0	RS-700	1.53513635220
4258	-122.362	37.718	2313.061	2089271.880	6022997.319	0	RS-700	1.03812050314
4259	-122.362	37.718	2319.826	2089271.916	6022997.349	0	RS-700	1.08066716981
4260	-122.362	37.718	2312.062	2089271.916	6022997.349	0	RS-700	1.03183710692
4261	-122.362	37.718	2335.068	2089271.916	6022997.378	0	RS-700	1.17652729560
4262	-122.362	37.718	2277.499	2089271.916	6022997.349	0	RS-700	0.81445949686
4263	-122.362	37.718	2287.813	2089271.879	6022997.377	0	RS-700	0.87932540881
4264	-122.362	37.718	2318.483	2089271.879	6022997.377	0	RS-700	1.07222062893
4265	-122.362	37.718	2275.499	2089271.880	6022997.348	0	RS-700	0.80187767296
4266	-122.362	37.718	2314.360	2089271.879	6022997.377	0	RS-700	1.04628899371
4267	-122.362	37.718	2284.176	2089271.879	6022997.377	0	RS-700	0.85645144654
4268	-122.362	37.718	2255.036	2089271.843	6022997.377	0	RS-700	0.67318301887
4269	-122.362	37.718	2288.704	2089271.843	6022997.377	0	RS-700	0.88492981132
4270	-122.362	37.718	2385.329	2089271.843	6022997.377	0	RS-700	1.49263553459
4271	-122.362	37.718	2366.730	2089271.842	6022997.405	0	RS-700	1.37566251572
4272	-122.362	37.718	2290.589	2089271.806	6022997.405	0	RS-700	0.89678522013
4273	-122.362	37.718	2261.266	2089271.692	6022997.663	0	RS-700	0.71236471698
4274	-122.362	37.718	2396.579	2089271.130	6022998.433	0	RS-700	1.56338748428

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4275	-122.362	37.718	2308.526	2089270.905	6022998.775	0	RS-700	1.00959792453
4276	-122.362	37.718	2352.188	2089270.531	6022999.231	0	RS-700	1.28420352201
4277	-122.362	37.718	2210.452	2089269.011	6023000.618	0	RS-700	0.39277861635
4278	-122.362	37.718	2198.120	2089268.878	6023001.773	0	RS-700	0.31521943396
4279	-122.362	37.718	2180.784	2089269.046	6023002.499	0	RS-700	0.20618704403
4280	-122.362	37.718	2254.476	2089269.355	6023003.431	0	RS-700	0.66966106918
4281	-122.362	37.718	2197.671	2089269.913	6023004.686	0	RS-700	0.31239861635
4282	-122.362	37.718	2231.684	2089270.831	6023006.122	0	RS-700	0.52631578616
4283	-122.362	37.718	2250.036	2089270.366	6023007.531	0	RS-700	0.64173471698
4284	-122.362	37.718	2133.084	2089269.539	6023008.816	0	RS-700	-0.09381056604
4285	-122.362	37.718	2202.234	2089268.604	6023010.070	0	RS-700	0.34109163522
4286	-122.362	37.718	2214.348	2089267.347	6023011.029	0	RS-700	0.41728320755
4287	-122.362	37.718	2267.043	2089266.064	6023011.437	0	RS-700	0.74869553459
4288	-122.362	37.718	2144.772	2089265.043	6023011.504	0	RS-700	-0.02029911950
4289	-122.362	37.718	2187.782	2089263.693	6023011.621	0	RS-700	0.25020251572
4290	-122.362	37.718	2214.450	2089262.006	6023012.224	0	RS-700	0.41792245283
4291	-122.362	37.718	2223.572	2089261.003	6023013.188	0	RS-700	0.47529471698
4292	-122.362	37.718	2200.793	2089260.910	6023014.199	0	RS-700	0.33203427673
4293	-122.362	37.718	2230.138	2089259.683	6023015.476	0	RS-700	0.51659044025
4294	-122.362	37.718	2143.413	2089258.522	6023017.073	0	RS-700	-0.02884830189
4295	-122.362	37.718	2290.512	2089257.468	6023018.788	0	RS-700	0.89630490566
4296	-122.362	37.718	2209.240	2089256.085	6023020.583	0	RS-700	0.38515911950
4297	-122.362	37.718	2113.660	2089254.736	6023022.466	0	RS-700	-0.21597383648
4298	-122.362	37.718	2229.911	2089253.059	6023024.399	0	RS-700	0.51516591195
4299	-122.362	37.718	2179.094	2089251.935	6023025.997	0	RS-700	0.19555993711
4300	-122.362	37.718	2295.526	2089250.694	6023027.940	0	RS-700	0.92783452830
4301	-122.362	37.718	2207.267	2089249.273	6023029.821	0	RS-700	0.37274534591
4302	-122.362	37.718	2301.826	2089247.925	6023031.674	0	RS-700	0.96746113208
4303	-122.362	37.718	2184.110	2089246.612	6023033.587	0	RS-700	0.22710716981
4304	-122.362	37.718	2228.482	2089245.156	6023035.409	0	RS-700	0.50617452830
4305	-122.362	37.718	2225.239	2089243.587	6023037.345	0	RS-700	0.48577918239
4306	-122.362	37.718	2172.572	2089242.054	6023039.369	0	RS-700	0.15453899371
4307	-122.362	37.718	2138.769	2089240.448	6023041.391	0	RS-700	-0.05805817610
4308	-122.362	37.718	2165.561	2089238.840	6023043.471	0	RS-700	0.11044471698
4309	-122.362	37.718	2145.769	2089237.344	6023045.466	0	RS-700	-0.01403308176
4310	-122.362	37.718	2078.269	2089235.847	6023047.490	0	RS-700	-0.43856100629
4311	-122.362	37.718	2134.872	2089234.313	6023049.514	0	RS-700	-0.08256396226
4312	-122.362	37.718	2091.164	2089232.817	6023051.480	0	RS-700	-0.35745905660
4313	-122.362	37.718	2232.906	2089231.210	6023053.560	0	RS-700	0.53399861635
4314	-122.362	37.718	2155.660	2089229.605	6023055.524	0	RS-700	0.04817515723
4315	-122.362	37.718	2152.663	2089228.073	6023057.490	0	RS-700	0.02932691824
4316	-122.362	37.718	2188.006	2089226.577	6023059.427	0	RS-700	0.25161069182
4317	-122.362	37.718	2231.141	2089225.083	6023061.336	0	RS-700	0.52289861635
4318	-122.362	37.718	2230.021	2089223.513	6023063.359	0	RS-700	0.51585232704
4319	-122.362	37.718	2226.600	2089221.942	6023065.439	0	RS-700	0.49433893082

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4320	-122.362	37.718	2333.487	2089220.370	6023067.549	0	RS-700	1.16658396226
4321	-122.362	37.718	2288.705	2089218.801	6023069.543	0	RS-700	0.88493955975
4322	-122.362	37.718	2291.937	2089217.268	6023071.537	0	RS-700	0.90526635220
4323	-122.362	37.718	2404.374	2089215.698	6023073.560	0	RS-700	1.61241408805
4324	-122.362	37.718	2417.350	2089214.165	6023075.555	0	RS-700	1.69402477987
4325	-122.362	37.718	2330.651	2089212.671	6023077.463	0	RS-700	1.14874610063
4326	-122.362	37.718	2409.337	2089211.245	6023079.547	0	RS-700	1.64362981132
4327	-122.362	37.718	2449.008	2089209.748	6023081.571	0	RS-700	1.89313125786
4328	-122.362	37.718	2301.830	2089208.031	6023083.678	0	RS-700	0.96748408805
4329	-122.362	37.718	2337.838	2089206.352	6023085.698	0	RS-700	1.19394672956
4330	-122.362	37.718	2475.759	2089204.673	6023087.719	0	RS-700	2.06137421384
4331	-122.362	37.718	2370.204	2089202.993	6023089.798	0	RS-700	1.39751037736
4332	-122.362	37.718	2501.652	2089201.275	6023091.933	0	RS-700	2.22422358491
4333	-122.362	37.718	2327.718	2089199.592	6023094.156	0	RS-700	1.13030169811
4334	-122.362	37.718	2314.833	2089197.982	6023096.352	0	RS-700	1.04926628931
4335	-122.362	37.718	2265.926	2089196.371	6023098.605	0	RS-700	0.74167408805
4336	-122.362	37.718	2251.246	2089194.652	6023100.828	0	RS-700	0.64934503145
4337	-122.362	37.718	2273.589	2089193.045	6023102.879	0	RS-700	0.78986823899
4338	-122.362	37.718	2098.179	2089191.477	6023104.786	0	RS-700	-0.31334050315
4339	-122.362	37.718	1854.649	2089190.022	6023106.521	0	RS-700	-1.84497515723
4340	-122.362	37.718	2227.349	2089188.526	6023108.517	0	RS-700	0.49904823899
4341	-122.362	37.718	2233.792	2089187.097	6023110.774	0	RS-700	0.53957094340
4342	-122.362	37.718	2285.935	2089185.416	6023112.910	0	RS-700	0.86751333333
4343	-122.362	37.718	2257.923	2089183.591	6023114.928	0	RS-700	0.69133930818
4344	-122.362	37.718	2236.707	2089181.875	6023116.977	0	RS-700	0.55790723270
4345	-122.362	37.718	2324.076	2089180.082	6023119.226	0	RS-700	1.10739471698
4346	-122.362	37.718	2268.928	2089178.361	6023121.536	0	RS-700	0.76055339623
4347	-122.362	37.718	1898.965	2089176.642	6023123.729	0	RS-700	-1.56626000000
4348	-122.362	37.718	2211.000	2089174.885	6023125.980	0	RS-700	0.39622930818
4349	-122.362	37.718	2209.342	2089173.090	6023128.345	0	RS-700	0.38579622642
4350	-122.362	37.718	2250.696	2089171.295	6023130.710	0	RS-700	0.64588459120
4351	-122.362	37.718	2190.895	2089169.500	6023133.076	0	RS-700	0.26977981132
4352	-122.362	37.718	2261.929	2089167.928	6023135.186	0	RS-700	0.71653182390
4353	-122.362	37.718	2222.354	2089166.394	6023137.238	0	RS-700	0.46763685535
4354	-122.362	37.718	2241.919	2089164.860	6023139.319	0	RS-700	0.59068496855
4355	-122.362	37.718	2227.802	2089163.325	6023141.430	0	RS-700	0.50189716981
4356	-122.362	37.718	2276.588	2089161.901	6023143.426	0	RS-700	0.80872880503
4357	-122.362	37.718	2269.815	2089160.818	6023144.765	0	RS-700	0.76613459120
4358	-122.362	37.718	2239.136	2089160.166	6023146.430	0	RS-700	0.57318113208
4359	-122.362	37.718	2182.221	2089160.419	6023148.344	0	RS-700	0.21522584906
4360	-122.362	37.718	2152.987	2089160.857	6023150.117	0	RS-700	0.03136654088
4361	-122.362	37.718	2211.911	2089161.008	6023151.683	0	RS-700	0.40195465409
4362	-122.362	37.718	2199.347	2089160.181	6023152.997	0	RS-700	0.32293509434
4363	-122.362	37.718	2217.905	2089158.925	6023153.898	0	RS-700	0.43965597484
4364	-122.362	37.718	2184.783	2089157.530	6023154.420	0	RS-700	0.23134018868



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4365	-122.362	37.718	2187.002	2089157.092	6023154.469	0	RS-700	0.24529603774
4366	-122.362	37.718	2249.932	2089157.751	6023154.308	0	RS-700	0.64107861635
4367	-122.362	37.718	2192.684	2089158.777	6023153.982	0	RS-700	0.28103113208
4368	-122.362	37.718	2186.240	2089158.961	6023153.927	0	RS-700	0.24050572327
4369	-122.362	37.718	2224.807	2089158.157	6023154.056	0	RS-700	0.48306358491
4370	-122.362	37.718	2191.242	2089157.463	6023154.158	0	RS-700	0.27196477987
4371	-122.362	37.718	2215.569	2089156.802	6023154.405	0	RS-700	0.42496327044
4372	-122.362	37.718	2291.594	2089155.698	6023154.991	0	RS-700	0.90310503145
4373	-122.362	37.718	2167.669	2089154.920	6023155.670	0	RS-700	0.12370176101
4374	-122.362	37.718	2195.686	2089153.194	6023156.387	0	RS-700	0.29991018868
4375	-122.362	37.718	2211.789	2089151.745	6023157.834	0	RS-700	0.40118918239
4376	-122.362	37.718	2254.709	2089150.509	6023159.516	0	RS-700	0.67112371069
4377	-122.362	37.718	2374.971	2089148.873	6023161.248	0	RS-700	1.42749088050
4378	-122.362	37.718	2379.617	2089147.159	6023163.182	0	RS-700	1.45670849057
4379	-122.362	37.718	2208.573	2089145.479	6023165.231	0	RS-700	0.38096264151
4380	-122.362	37.718	2274.820	2089143.908	6023167.312	0	RS-700	0.79761283019
4381	-122.362	37.718	2262.150	2089142.156	6023169.331	0	RS-700	0.71792459120
4382	-122.362	37.718	2266.700	2089140.738	6023171.068	0	RS-700	0.74654352201
4383	-122.362	37.718	2214.462	2089139.238	6023173.207	0	RS-700	0.41800081761
4384	-122.362	37.718	2211.819	2089137.701	6023175.433	0	RS-700	0.40137867925
4385	-122.362	37.718	2288.048	2089135.946	6023177.626	0	RS-700	0.88080220126
4386	-122.362	37.718	2266.929	2089134.152	6023179.934	0	RS-700	0.74798364780
4387	-122.362	37.718	2252.920	2089132.429	6023182.301	0	RS-700	0.65987226415
4388	-122.362	37.718	2265.921	2089130.672	6023184.609	0	RS-700	0.74164421384
4389	-122.362	37.718	2298.285	2089129.022	6023187.006	0	RS-700	0.94518855346
4390	-122.362	37.718	2194.789	2089127.336	6023189.345	0	RS-700	0.29426949686
4391	-122.362	37.718	2236.026	2089125.579	6023191.653	0	RS-700	0.55362012579
4392	-122.362	37.718	2208.682	2089123.820	6023193.991	0	RS-700	0.38164773585
4393	-122.362	37.718	2142.092	2089121.550	6023196.434	0	RS-700	-0.03715886792
4394	-122.362	37.718	2162.992	2089119.790	6023198.887	0	RS-700	0.09429169811
4395	-122.362	37.718	2165.682	2089118.141	6023201.226	0	RS-700	0.11121037736
4396	-122.362	37.718	2180.225	2089116.784	6023203.542	0	RS-700	0.20267352201
4397	-122.362	37.718	2296.706	2089114.992	6023205.734	0	RS-700	0.93525723270
4398	-122.362	37.718	2210.792	2089113.053	6023207.981	0	RS-700	0.39491805031
4399	-122.362	37.718	2172.888	2089111.115	6023210.228	0	RS-700	0.15652817610
4400	-122.362	37.718	2239.704	2089109.320	6023212.565	0	RS-700	0.57675251572
4401	-122.362	37.718	2159.993	2089107.490	6023214.843	0	RS-700	0.07542742138
4402	-122.362	37.718	2127.080	2089105.515	6023217.118	0	RS-700	-0.13157547170
4403	-122.362	37.718	2071.331	2089103.543	6023219.220	0	RS-700	-0.48219213837
4404	-122.362	37.718	1934.628	2089101.825	6023221.384	0	RS-700	-0.76648733138
4405	-122.362	37.718	2293.361	2089100.176	6023223.695	0	RS-700	0.28551727273
4406	-122.362	37.718	2516.037	2089098.350	6023225.770	0	RS-700	0.93852378299
4407	-122.362	37.718	2662.361	2089097.492	6023226.823	0	RS-700	1.36762712610
4408	-122.362	37.718	2152.095	2089096.596	6023227.905	0	RS-700	-0.12875483871
4409	-122.362	37.718	1671.521	2089095.437	6023229.415	0	RS-700	-1.53806061584

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4410	-122.362	37.718	1866.674	2089094.088	6023231.327	0	RS-700	-0.96576653959
4411	-122.362	37.718	2564.297	2089092.885	6023233.212	0	RS-700	1.08004873900
4412	-122.362	37.718	2559.318	2089091.203	6023235.377	0	RS-700	1.06545008798
4413	-122.362	37.718	2360.435	2089089.294	6023238.001	0	RS-700	1.33606805031
4414	-122.362	37.718	2296.308	2089086.910	6023240.644	0	RS-700	0.93275207547
4415	-122.362	37.718	2236.029	2089085.773	6023242.878	0	RS-700	0.55364402516
4416	-122.362	37.718	2116.760	2089084.050	6023245.303	0	RS-700	-0.19647962264
4417	-122.362	37.718	2178.000	2089081.813	6023247.891	0	RS-700	0.18867672956
4418	-122.362	37.718	2138.780	2089080.494	6023250.121	0	RS-700	-0.05798559748
4419	-122.362	37.718	2160.098	2089079.837	6023252.047	0	RS-700	0.07608874214
4420	-122.362	37.718	2101.424	2089078.340	6023254.042	0	RS-700	-0.29293389937
4421	-122.362	37.718	2134.668	2089076.738	6023255.833	0	RS-700	-0.08384603774
4422	-122.362	37.717	2174.889	2089075.024	6023257.824	0	RS-700	0.16911452830
4423	-122.362	37.717	2093.852	2089073.524	6023259.992	0	RS-700	-0.34055641509
4424	-122.362	37.717	2106.872	2089071.918	6023261.986	0	RS-700	-0.25866805031
4425	-122.362	37.717	1975.616	2089070.276	6023263.949	0	RS-700	-1.08417528302
4426	-122.362	37.717	1630.426	2089068.745	6023265.857	0	RS-700	-3.25518421384
4427	-122.362	37.717	1333.630	2089067.144	6023267.648	0	RS-700	-5.12182113208
4428	-122.362	37.717	1389.355	2089065.761	6023269.443	0	RS-700	-4.77135062893
4429	-122.362	37.717	1543.484	2089062.985	6023271.673	0	RS-700	-3.80198811321
4430	-122.361	37.717	2133.300	2089062.694	6023273.461	0	RS-700	-0.09245446541
4431	-122.361	37.717	2158.342	2089061.161	6023275.485	0	RS-700	0.06504408805
4432	-122.361	37.717	1641.670	2089059.221	6023277.818	0	RS-700	-3.18446842767
4433	-122.361	37.717	2033.611	2089057.762	6023279.757	0	RS-700	-0.71942924528
4434	-122.361	37.717	2117.388	2089056.123	6023281.575	0	RS-700	-0.19253106918
4435	-122.361	37.717	2184.674	2089054.448	6023283.394	0	RS-700	0.23065402516
4436	-122.361	37.717	2170.211	2089053.246	6023285.221	0	RS-700	0.13969452830
4437	-122.361	37.717	2161.884	2089052.115	6023287.166	0	RS-700	0.08731880503
4438	-122.361	37.717	2157.202	2089051.422	6023289.033	0	RS-700	0.05787220126
4439	-122.361	37.717	2093.765	2089051.239	6023290.938	0	RS-700	-0.34110364780
4440	-122.361	37.717	2106.648	2089051.204	6023292.674	0	RS-700	-0.26007559748
4441	-122.361	37.717	2089.545	2089050.735	6023294.313	0	RS-700	-0.36764056604
4442	-122.361	37.717	2187.675	2089049.765	6023295.451	0	RS-700	0.24953106918
4443	-122.361	37.717	2105.186	2089048.733	6023296.096	0	RS-700	-0.26926949686
4444	-122.361	37.717	2013.721	2089047.553	6023296.825	0	RS-700	-0.84451981132
4445	-122.361	37.717	2090.434	2089046.198	6023297.174	0	RS-700	-0.36205044025
4446	-122.361	37.717	2135.875	2089044.875	6023297.784	0	RS-700	-0.07626006289
4447	-122.361	37.717	2062.843	2089044.212	6023298.147	0	RS-700	-0.53558169811
4448	-122.361	37.717	2051.839	2089044.876	6023297.755	0	RS-700	-0.60478591195
4449	-122.361	37.717	2108.757	2089045.910	6023297.024	0	RS-700	-0.24681314465
4450	-122.361	37.717	2127.658	2089046.356	6023296.570	0	RS-700	-0.12793591195
4451	-122.361	37.717	2186.124	2089046.318	6023296.627	0	RS-700	0.23977245283
4452	-122.361	37.717	2148.103	2089046.207	6023296.711	0	RS-700	0.00064735849
4453	-122.361	37.717	2094.443	2089045.838	6023296.993	0	RS-700	-0.33683490566
4454	-122.361	37.717	2083.948	2089045.246	6023297.444	0	RS-700	-0.40284433962

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4455	-122.361	37.717	2132.439	2089044.514	6023297.603	0	RS-700	-0.09786767296
4456	-122.361	37.717	2024.061	2089043.408	6023298.276	0	RS-700	-0.77948792453
4457	-122.361	37.717	2049.937	2089042.221	6023299.380	0	RS-700	-0.61675132076
4458	-122.361	37.717	2070.950	2089041.207	6023300.922	0	RS-700	-0.48459301887
4459	-122.361	37.717	2082.852	2089039.905	6023302.314	0	RS-700	-0.40973880503
4460	-122.361	37.717	2074.541	2089038.932	6023303.597	0	RS-700	-0.46200786164
4461	-122.361	37.717	2181.099	2089037.479	6023305.275	0	RS-700	0.20817000000
4462	-122.361	37.717	2120.449	2089035.949	6023307.096	0	RS-700	-0.17327364780
4463	-122.361	37.717	2107.871	2089034.305	6023309.175	0	RS-700	-0.25238660377
4464	-122.361	37.717	2100.860	2089032.697	6023311.284	0	RS-700	-0.29647610063
4465	-122.361	37.717	2128.653	2089031.125	6023313.422	0	RS-700	-0.12167861635
4466	-122.361	37.717	2054.152	2089029.338	6023315.412	0	RS-700	-0.59023792453
4467	-122.361	37.717	2143.769	2089027.479	6023317.313	0	RS-700	-0.02661295597
4468	-122.361	37.717	2076.531	2089025.690	6023319.361	0	RS-700	-0.44949006289
4469	-122.361	37.717	2076.159	2089023.972	6023321.496	0	RS-700	-0.45182849057
4470	-122.361	37.717	2147.883	2089022.217	6023323.660	0	RS-700	-0.00073893082
4471	-122.361	37.717	2192.235	2089020.575	6023325.681	0	RS-700	0.27820880503
4472	-122.361	37.717	2130.407	2089019.231	6023327.333	0	RS-700	-0.11064855346
4473	-122.361	37.717	2088.645	2089018.182	6023328.816	0	RS-700	-0.37330081761
4474	-122.361	37.717	2152.780	2089016.909	6023330.527	0	RS-700	0.03006012579
4475	-122.361	37.717	2129.229	2089015.523	6023332.466	0	RS-700	-0.11805628931
4476	-122.361	37.717	2102.177	2089013.990	6023334.461	0	RS-700	-0.28819289308
4477	-122.361	37.717	1940.746	2089012.383	6023336.541	0	RS-700	-1.30348295597
4478	-122.361	37.717	2170.670	2089010.665	6023338.705	0	RS-700	0.14258044025
4479	-122.361	37.717	2142.196	2089008.983	6023340.842	0	RS-700	-0.03650037736
4480	-122.361	37.717	2194.570	2089007.265	6023343.006	0	RS-700	0.29289062893
4481	-122.361	37.717	2251.032	2089005.582	6023345.229	0	RS-700	0.64799779874
4482	-122.361	37.717	2157.098	2089003.824	6023347.538	0	RS-700	0.05721968553
4483	-122.361	37.717	2257.808	2089002.178	6023349.761	0	RS-700	0.69061591195
4484	-122.361	37.717	2213.033	2089000.532	6023351.927	0	RS-700	0.40901459120
4485	-122.361	37.717	2162.450	2088998.850	6023354.122	0	RS-700	0.09087786164
4486	-122.361	37.717	2181.904	2088997.167	6023356.316	0	RS-700	0.21323389937
4487	-122.361	37.717	2132.658	2088995.411	6023358.537	0	RS-700	-0.09649100629
4488	-122.361	37.717	2198.567	2088993.691	6023360.818	0	RS-700	0.31802905660
4489	-122.361	37.717	2130.509	2088992.154	6023362.986	0	RS-700	-0.11000616352
4490	-122.361	37.717	2233.692	2088990.581	6023365.211	0	RS-700	0.53894270440
4491	-122.361	37.717	2235.795	2088988.897	6023367.463	0	RS-700	0.55217088050
4492	-122.361	37.717	2136.976	2088987.323	6023369.688	0	RS-700	-0.06933383648
4493	-122.361	37.717	2214.235	2088985.422	6023371.878	0	RS-700	0.41657415094
4494	-122.361	37.717	2338.188	2088983.595	6023374.040	0	RS-700	1.19615276730
4495	-122.361	37.717	2269.812	2088981.840	6023376.204	0	RS-700	0.76611452830
4496	-122.361	37.717	2187.895	2088980.048	6023378.425	0	RS-700	0.25091327044
4497	-122.361	37.717	2211.348	2088978.364	6023380.677	0	RS-700	0.39841226415
4498	-122.361	37.717	2147.881	2088976.680	6023382.958	0	RS-700	-0.00074981132
4499	-122.361	37.717	2128.483	2088975.030	6023385.327	0	RS-700	-0.12275062893

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4500	-122.361	37.717	2179.780	2088973.270	6023387.751	0	RS-700	0.19987327044
4501	-122.361	37.717	2138.544	2088971.512	6023390.088	0	RS-700	-0.05947371069
4502	-122.361	37.717	2139.451	2088969.791	6023392.397	0	RS-700	-0.05376698113
4503	-122.361	37.717	2198.679	2088968.108	6023394.591	0	RS-700	0.31873477987
4504	-122.361	37.717	2178.879	2088966.461	6023396.844	0	RS-700	0.19421012579
4505	-122.361	37.717	2176.354	2088964.817	6023398.952	0	RS-700	0.17832396226
4506	-122.361	37.717	2179.525	2088963.282	6023401.034	0	RS-700	0.19826836478
4507	-122.361	37.717	2245.029	2088961.712	6023403.056	0	RS-700	0.61024534591
4508	-122.361	37.717	2064.323	2088960.069	6023405.107	0	RS-700	-0.52627352201
4509	-122.361	37.717	1947.900	2088958.609	6023407.132	0	RS-700	-1.25849176101
4510	-122.361	37.717	1618.172	2088957.185	6023409.128	0	RS-700	-3.33225251572
4511	-122.361	37.717	1525.598	2088955.620	6023410.891	0	RS-700	-3.91447490566
4512	-122.361	37.717	1654.741	2088954.091	6023412.683	0	RS-700	-3.10225987421
4513	-122.361	37.717	2176.905	2088952.119	6023414.814	0	RS-700	0.18179522013
4514	-122.361	37.717	2200.656	2088951.282	6023416.620	0	RS-700	0.33116918239
4515	-122.361	37.717	1948.886	2088949.601	6023418.727	0	RS-700	-1.25228723270
4516	-122.361	37.717	1845.488	2088948.034	6023420.605	0	RS-700	-1.90259188679
4517	-122.361	37.717	2081.741	2088946.471	6023422.281	0	RS-700	-0.41672094340
4518	-122.361	37.717	2205.467	2088944.909	6023423.928	0	RS-700	0.36142949686
4519	-122.361	37.717	2217.907	2088943.456	6023425.577	0	RS-700	0.43966679245
4520	-122.361	37.717	2287.713	2088942.185	6023427.201	0	RS-700	0.87869918239
4521	-122.361	37.717	2277.276	2088941.247	6023428.571	0	RS-700	0.81305584906
4522	-122.361	37.717	2190.904	2088940.650	6023429.311	0	RS-700	0.26983591195
4523	-122.361	37.717	2263.142	2088940.122	6023430.227	0	RS-700	0.72416553459
4524	-122.361	37.717	2351.848	2088939.925	6023430.975	0	RS-700	1.28206459119
4525	-122.361	37.717	2193.227	2088939.885	6023431.148	0	RS-700	0.28444496855
4526	-122.361	37.717	2300.712	2088939.649	6023430.217	0	RS-700	0.96044974843
4527	-122.361	37.717	2248.040	2088939.234	6023429.110	0	RS-700	0.62918289308
4528	-122.361	37.717	2219.240	2088939.369	6023429.604	0	RS-700	0.44804880503
4529	-122.361	37.717	2299.399	2088939.639	6023430.709	0	RS-700	0.95219767296
4530	-122.361	37.717	2254.030	2088940.094	6023431.615	0	RS-700	0.66685628931
4531	-122.361	37.717	2208.013	2088940.511	6023432.635	0	RS-700	0.37744012579
4532	-122.361	37.717	2212.791	2088940.891	6023433.656	0	RS-700	0.40749075472
4533	-122.361	37.717	2233.021	2088941.123	6023434.846	0	RS-700	0.53472377359
4534	-122.361	37.717	2125.870	2088940.988	6023436.117	0	RS-700	-0.13917987421
4535	-122.361	37.717	2187.779	2088940.456	6023437.234	0	RS-700	0.25018515723
4536	-122.361	37.717	2297.905	2088939.711	6023438.058	0	RS-700	0.94279786164
4537	-122.361	37.717	2240.250	2088938.896	6023438.766	0	RS-700	0.58018566038
4538	-122.361	37.717	2344.077	2088938.006	6023439.558	0	RS-700	1.23318660377
4539	-122.361	37.717	2305.355	2088937.157	6023440.120	0	RS-700	0.98965352201
4540	-122.361	37.717	2217.686	2088936.172	6023440.216	0	RS-700	0.43827641509
4541	-122.361	37.717	2214.910	2088934.934	6023440.191	0	RS-700	0.42081987421
4542	-122.361	37.717	2299.164	2088934.094	6023440.319	0	RS-700	0.95071761006
4543	-122.361	37.717	2229.819	2088932.883	6023440.787	0	RS-700	0.51458194969
4544	-122.361	37.717	2295.158	2088931.768	6023441.893	0	RS-700	0.92552377359

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4545	-122.361	37.717	2283.047	2088930.720	6023443.348	0	RS-700	0.84935301887
4546	-122.361	37.717	2319.066	2088929.520	6023445.088	0	RS-700	1.07588716981
4547	-122.361	37.717	2285.943	2088928.244	6023446.972	0	RS-700	0.86756893082
4548	-122.361	37.717	2237.693	2088926.823	6023448.854	0	RS-700	0.56410823899
4549	-122.361	37.717	2227.579	2088925.401	6023450.764	0	RS-700	0.50049452830
4550	-122.361	37.717	2240.922	2088923.797	6023452.641	0	RS-700	0.58441566038
4551	-122.361	37.717	2272.733	2088922.264	6023454.665	0	RS-700	0.78448377359
4552	-122.361	37.717	2187.782	2088920.802	6023456.776	0	RS-700	0.25020232704
4553	-122.361	37.717	1873.827	2088919.451	6023458.775	0	RS-700	-1.72435672956
4554	-122.361	37.717	2125.657	2088918.033	6023460.482	0	RS-700	-0.14052182390
4555	-122.361	37.717	2136.518	2088916.579	6023462.189	0	RS-700	-0.07221528302
4556	-122.361	37.717	2248.921	2088915.194	6023464.071	0	RS-700	0.63472339623
4557	-122.361	37.717	2236.910	2088913.631	6023465.718	0	RS-700	0.55917949686
4558	-122.361	37.717	2266.950	2088912.067	6023467.481	0	RS-700	0.74811106918
4559	-122.361	37.717	2169.999	2088910.645	6023469.391	0	RS-700	0.13836081761
4560	-122.361	37.717	2177.564	2088909.334	6023471.216	0	RS-700	0.18593597484
4561	-122.361	37.717	2022.126	2088908.249	6023472.670	0	RS-700	-0.79166320755
4562	-122.361	37.717	2137.875	2088906.647	6023474.490	0	RS-700	-0.06367622642
4563	-122.361	37.717	2283.745	2088905.005	6023476.482	0	RS-700	0.85374327044
4564	-122.361	37.717	2192.353	2088903.433	6023478.592	0	RS-700	0.27894962264
4565	-122.361	37.717	2117.770	2088901.899	6023480.644	0	RS-700	-0.19012389937
4566	-122.361	37.717	2183.003	2088900.329	6023482.696	0	RS-700	0.22014402516
4567	-122.361	37.717	2201.926	2088898.832	6023484.691	0	RS-700	0.33915597484
4568	-122.361	37.717	2302.052	2088897.150	6023486.857	0	RS-700	0.96887962264
4569	-122.361	37.717	2205.891	2088895.650	6023489.054	0	RS-700	0.36409377359
4570	-122.361	37.717	2247.035	2088894.077	6023491.251	0	RS-700	0.62286352201
4571	-122.361	37.717	2333.178	2088892.470	6023493.302	0	RS-700	1.16464251572
4572	-122.361	37.717	2207.790	2088890.974	6023495.239	0	RS-700	0.37603962264
4573	-122.361	37.717	2273.274	2088889.479	6023497.206	0	RS-700	0.78788918239
4574	-122.361	37.717	2269.813	2088888.017	6023499.260	0	RS-700	0.76612012579
4575	-122.361	37.717	2193.906	2088886.556	6023501.343	0	RS-700	0.28871452830
4576	-122.361	37.717	2222.571	2088885.023	6023503.308	0	RS-700	0.46899748428
4577	-122.361	37.717	2255.273	2088883.531	6023505.101	0	RS-700	0.67467509434
4578	-122.361	37.717	2164.994	2088882.188	6023506.724	0	RS-700	0.10688044025
4579	-122.361	37.717	2114.754	2088880.955	6023508.290	0	RS-700	-0.20909389937
4580	-122.361	37.717	2160.431	2088880.243	6023509.289	0	RS-700	0.07818459120
4581	-122.361	37.717	2146.548	2088879.831	6023509.830	0	RS-700	-0.00913081761
4582	-122.361	37.717	2149.769	2088879.868	6023509.802	0	RS-700	0.01112283019
4583	-122.361	37.717	2147.310	2088879.832	6023509.801	0	RS-700	-0.00434138365
4584	-122.361	37.717	2255.928	2088879.868	6023509.802	0	RS-700	0.67879100629
4585	-122.361	37.717	2226.786	2088879.869	6023509.773	0	RS-700	0.49551232704
4586	-122.361	37.717	2199.563	2088879.869	6023509.773	0	RS-700	0.32429842767
4587	-122.361	37.717	2216.121	2088879.869	6023509.773	0	RS-700	0.42843572327
4588	-122.361	37.717	2081.637	2088879.833	6023509.772	0	RS-700	-0.41737509434
4589	-122.361	37.717	2166.319	2088879.833	6023509.772	0	RS-700	0.11521264151

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4590	-122.361	37.717	2172.877	2088879.833	6023509.743	0	RS-700	0.15646075472
4591	-122.361	37.717	2149.198	2088879.870	6023509.744	0	RS-700	0.00753767296
4592	-122.361	37.717	2169.985	2088879.870	6023509.715	0	RS-700	0.13827308176
4593	-122.361	37.717	2171.888	2088879.906	6023509.745	0	RS-700	0.15024163522
4594	-122.361	37.717	2234.914	2088879.794	6023509.858	0	RS-700	0.54663119497
4595	-122.361	37.717	2085.644	2088879.196	6023510.657	0	RS-700	-0.39217389937
4596	-122.361	37.717	2061.846	2088878.074	6023512.139	0	RS-700	-0.54184660377
4597	-122.361	37.717	1897.677	2088876.767	6023513.733	0	RS-700	-1.57435817610
4598	-122.361	37.717	2117.080	2088875.314	6023515.411	0	RS-700	-0.19446603774
4599	-122.361	37.717	1820.655	2088875.239	6023515.525	0	RS-700	-2.05877308176
4600	-122.361	37.717	1959.289	2088876.327	6023513.898	0	RS-700	-1.18686257862
4601	-122.361	37.717	2127.554	2088876.717	6023512.632	0	RS-700	-0.12859433962
4602	-122.361	37.717	2137.086	2088876.568	6023510.951	0	RS-700	-0.06863962264
4603	-122.361	37.717	2201.791	2088876.052	6023509.437	0	RS-700	0.33830981132
4604	-122.361	37.717	2128.550	2088875.986	6023509.088	0	RS-700	-0.12232496855
4605	-122.361	37.717	2180.434	2088876.154	6023509.786	0	RS-700	0.20398528302
4606	-122.361	37.717	2037.038	2088876.415	6023511.296	0	RS-700	-0.69787201258
4607	-122.361	37.717	2014.831	2088876.963	6023513.071	0	RS-700	-0.83754125786
4608	-122.361	37.717	2145.663	2088878.213	6023514.311	0	RS-700	-0.01469522013
4609	-122.361	37.717	2021.930	2088879.149	6023514.822	0	RS-700	-0.79289194969
4610	-122.361	37.717	1926.495	2088878.750	6023514.785	0	RS-700	-1.39311597484
4611	-122.361	37.717	1912.071	2088877.694	6023514.764	0	RS-700	-1.48383163522
4612	-122.361	37.717	2014.931	2088875.867	6023515.075	0	RS-700	-0.83691000000
4613	-122.361	37.717	2100.651	2088874.464	6023516.001	0	RS-700	-0.29779088050
4614	-122.361	37.717	2006.506	2088874.942	6023515.779	0	RS-700	-0.88990251572
4615	-122.361	37.717	1836.558	2088875.969	6023515.424	0	RS-700	-1.95875358491
4616	-122.361	37.717	2034.924	2088877.406	6023514.584	0	RS-700	-0.71116698113
4617	-122.361	37.717	2238.471	2088878.405	6023513.794	0	RS-700	0.56899930818
4618	-122.361	37.717	2178.123	2088879.150	6023512.941	0	RS-700	0.18945358491
4619	-122.361	37.717	2146.552	2088879.864	6023511.856	0	RS-700	-0.00910509434
4620	-122.361	37.717	2113.654	2088880.946	6023510.547	0	RS-700	-0.21601213837
4621	-122.361	37.717	2194.676	2088882.619	6023508.844	0	RS-700	0.29356062893
4622	-122.361	37.717	2047.528	2088884.296	6023506.910	0	RS-700	-0.63189949686
4623	-122.361	37.717	2162.245	2088885.901	6023504.975	0	RS-700	0.08959119497
4624	-122.361	37.717	2168.341	2088887.319	6023503.238	0	RS-700	0.12792930818
4625	-122.361	37.717	2228.910	2088888.590	6023501.615	0	RS-700	0.50886905660
4626	-122.361	37.717	2338.198	2088890.235	6023499.477	0	RS-700	1.19621207547
4627	-122.361	37.717	2236.917	2088891.806	6023497.368	0	RS-700	0.55922584906
4628	-122.361	37.717	2215.463	2088893.415	6023495.201	0	RS-700	0.42429358491
4629	-122.361	37.717	2203.680	2088895.134	6023493.008	0	RS-700	0.35018861635
4630	-122.361	37.717	2183.588	2088896.814	6023490.929	0	RS-700	0.22382427673
4631	-122.361	37.717	2264.814	2088898.385	6023488.848	0	RS-700	0.73467742138
4632	-122.361	37.717	2191.442	2088900.064	6023486.828	0	RS-700	0.27321823899
4633	-122.361	37.717	2116.665	2088901.854	6023484.723	0	RS-700	-0.19707503145
4634	-122.361	37.717	2240.250	2088903.571	6023482.616	0	RS-700	0.58018591195

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4635	-122.361	37.717	2172.452	2088905.400	6023480.425	0	RS-700	0.15378540881
4636	-122.361	37.717	2172.681	2088907.262	6023478.321	0	RS-700	0.15522622642
4637	-122.361	37.717	2184.888	2088908.980	6023476.214	0	RS-700	0.23200188679
4638	-122.361	37.717	2185.331	2088910.772	6023473.993	0	RS-700	0.23478465409
4639	-122.361	37.717	2213.906	2088912.491	6023471.800	0	RS-700	0.41450528302
4640	-122.361	37.717	2220.242	2088914.172	6023469.663	0	RS-700	0.45435295598
4641	-122.361	37.717	2205.574	2088915.889	6023467.557	0	RS-700	0.36209849057
4642	-122.361	37.717	2183.459	2088917.644	6023465.393	0	RS-700	0.22301427673
4643	-122.361	37.717	1910.588	2088919.398	6023463.287	0	RS-700	-1.49315522013
4644	-122.361	37.717	2124.099	2088921.115	6023461.151	0	RS-700	-0.15031949686
4645	-122.361	37.717	2223.027	2088922.686	6023459.071	0	RS-700	0.47187081761
4646	-122.361	37.717	2276.168	2088924.402	6023457.022	0	RS-700	0.80608823899
4647	-122.361	37.717	2228.047	2088926.081	6023455.001	0	RS-700	0.50343836478
4648	-122.361	37.717	2177.456	2088927.722	6023453.095	0	RS-700	0.18525515723
4649	-122.361	37.717	2168.673	2088929.254	6023451.101	0	RS-700	0.13001685535
4650	-122.361	37.717	2148.881	2088930.898	6023449.050	0	RS-700	0.00553962264
4651	-122.361	37.717	2194.100	2088932.359	6023446.996	0	RS-700	0.28993761006
4652	-122.361	37.717	2160.992	2088934.037	6023445.034	0	RS-700	0.08170798742
4653	-122.361	37.717	2174.757	2088935.714	6023443.100	0	RS-700	0.16828603774
4654	-122.361	37.717	2205.802	2088937.316	6023441.309	0	RS-700	0.36353559748
4655	-122.361	37.717	2160.202	2088938.546	6023439.887	0	RS-700	0.07674490566
4656	-122.361	37.717	2221.013	2088939.742	6023438.348	0	RS-700	0.45920182390
4657	-122.361	37.717	2233.025	2088941.263	6023436.932	0	RS-700	0.53475037736
4658	-122.361	37.717	2192.570	2088942.684	6023435.080	0	RS-700	0.28031446541
4659	-122.361	37.717	2219.897	2088944.106	6023433.141	0	RS-700	0.45218075472
4660	-122.361	37.717	2177.097	2088945.716	6023430.945	0	RS-700	0.18299798742
4661	-122.361	37.717	2144.880	2088947.400	6023428.693	0	RS-700	-0.01962339623
4662	-122.361	37.717	2101.856	2088948.974	6023426.439	0	RS-700	-0.29021522013
4663	-122.361	37.717	1802.294	2088950.473	6023424.299	0	RS-700	-2.17425471698
4664	-122.361	37.717	2159.889	2088951.898	6023422.273	0	RS-700	0.07477169811
4665	-122.361	37.717	2082.537	2088953.506	6023420.136	0	RS-700	-0.41171622642
4666	-122.361	37.717	1803.367	2088955.224	6023418.000	0	RS-700	-2.16750113208
4667	-122.361	37.717	1218.229	2088956.871	6023415.776	0	RS-700	-5.84761811321
4668	-122.361	37.717	1408.382	2088958.514	6023413.726	0	RS-700	-4.65168716981
4669	-122.361	37.717	2013.724	2088960.014	6023411.528	0	RS-700	-0.84450371069
4670	-122.361	37.717	2144.664	2088961.402	6023409.531	0	RS-700	-0.02098389937
4671	-122.361	37.717	2208.231	2088962.863	6023407.477	0	RS-700	0.37881157233
4672	-122.361	37.717	2115.330	2088964.506	6023405.397	0	RS-700	-0.20546886793
4673	-122.361	37.717	2105.760	2088966.078	6023403.288	0	RS-700	-0.26566226415
4674	-122.361	37.717	2101.647	2088967.761	6023401.094	0	RS-700	-0.29152603774
4675	-122.361	37.717	2144.341	2088969.552	6023398.931	0	RS-700	-0.02300955975
4676	-122.361	37.717	2145.867	2088971.272	6023396.679	0	RS-700	-0.01341603774
4677	-122.361	37.717	2166.891	2088972.881	6023394.484	0	RS-700	0.11881320755
4678	-122.361	37.717	2119.448	2088974.493	6023392.201	0	RS-700	-0.17957333333
4679	-122.361	37.717	2123.758	2088976.140	6023389.949	0	RS-700	-0.15246798742

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4680	-122.361	37.717	2067.052	2088977.969	6023387.699	0	RS-700	-0.50910867925
4681	-122.361	37.717	2183.785	2088979.651	6023385.563	0	RS-700	0.22506119497
4682	-122.361	37.717	2196.892	2088981.370	6023383.370	0	RS-700	0.30749905660
4683	-122.361	37.717	2123.876	2088983.125	6023381.177	0	RS-700	-0.15172534591
4684	-122.361	37.717	2196.906	2088984.733	6023379.039	0	RS-700	0.30758264151
4685	-122.361	37.717	2186.882	2088986.270	6023376.871	0	RS-700	0.24454320755
4686	-122.361	37.717	2135.768	2088987.878	6023374.733	0	RS-700	-0.07693119497
4687	-122.361	37.717	2142.983	2088989.487	6023372.595	0	RS-700	-0.03155138365
4688	-122.361	37.717	2213.812	2088991.206	6023370.402	0	RS-700	0.41391238994
4689	-122.361	37.717	2090.971	2088992.962	6023368.151	0	RS-700	-0.35867421384
4690	-122.361	37.717	2070.758	2088994.646	6023365.899	0	RS-700	-0.48580132076
4691	-122.361	37.717	2074.974	2088996.440	6023363.563	0	RS-700	-0.45928534591
4692	-122.361	37.717	2172.562	2088998.199	6023361.226	0	RS-700	0.15447685535
4693	-122.361	37.717	2091.753	2088999.993	6023358.889	0	RS-700	-0.35375597484
4694	-122.361	37.717	2198.459	2089001.606	6023356.549	0	RS-700	0.31735150943
4695	-122.361	37.717	2225.688	2089003.254	6023354.238	0	RS-700	0.48860264151
4696	-122.361	37.717	2253.141	2089005.048	6023351.930	0	RS-700	0.66126622642
4697	-122.361	37.717	2250.693	2089006.733	6023349.621	0	RS-700	0.64586704403
4698	-122.361	37.717	2228.272	2089008.340	6023347.541	0	RS-700	0.50485534591
4699	-122.361	37.717	2140.990	2089009.948	6023345.432	0	RS-700	-0.04408710692
4700	-122.361	37.717	2046.941	2089011.595	6023343.208	0	RS-700	-0.63559018868
4701	-122.361	37.717	1768.853	2089013.350	6023341.044	0	RS-700	-2.38456962264
4702	-122.361	37.717	2074.218	2089014.885	6023338.905	0	RS-700	-0.46403742138
4703	-122.361	37.717	2029.424	2089016.494	6023336.738	0	RS-700	-0.74576220126
4704	-122.361	37.717	2124.444	2089018.176	6023334.573	0	RS-700	-0.14814918239
4705	-122.361	37.717	1989.614	2089019.822	6023332.407	0	RS-700	-0.99613591195
4706	-122.361	37.717	2154.770	2089021.504	6023330.242	0	RS-700	0.04257937107
4707	-122.361	37.717	2037.038	2089023.184	6023328.163	0	RS-700	-0.69787157233
4708	-122.361	37.717	2143.419	2089024.828	6023326.084	0	RS-700	-0.02881081761
4709	-122.361	37.717	2125.229	2089026.436	6023323.975	0	RS-700	-0.14321119497
4710	-122.361	37.717	2077.428	2089028.043	6023321.895	0	RS-700	-0.44384698113
4711	-122.361	37.717	2163.562	2089029.613	6023319.873	0	RS-700	0.09787440252
4712	-122.361	37.717	1975.513	2089031.185	6023317.763	0	RS-700	-1.08482672956
4713	-122.361	37.717	2112.545	2089032.830	6023315.626	0	RS-700	-0.22298937107
4714	-122.361	37.717	2144.089	2089034.438	6023313.488	0	RS-700	-0.02459955975
4715	-122.361	37.717	2054.251	2089036.047	6023311.321	0	RS-700	-0.58961446541
4716	-122.361	37.717	2077.163	2089037.693	6023309.127	0	RS-700	-0.44551402516
4717	-122.361	37.717	2051.833	2089039.266	6023306.959	0	RS-700	-0.60482603774
4718	-122.361	37.717	2062.837	2089040.802	6023304.820	0	RS-700	-0.53561396226
4719	-122.361	37.717	2098.751	2089042.263	6023302.766	0	RS-700	-0.30974169811
4720	-122.361	37.717	2047.038	2089043.648	6023300.855	0	RS-700	-0.63498044025
4721	-122.361	37.717	2102.229	2089045.065	6023299.234	0	RS-700	-0.28786641509
4722	-122.361	37.717	2065.728	2089046.732	6023297.792	0	RS-700	-0.51743327044
4723	-122.361	37.717	2110.863	2089047.883	6023296.716	0	RS-700	-0.23356421384
4724	-122.361	37.717	2140.196	2089049.175	6023295.816	0	RS-700	-0.04908075472



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4725	-122.361	37.717	2109.964	2089050.650	6023294.890	0	RS-700	-0.23922182390
4726	-122.361	37.717	2052.847	2089051.482	6023293.373	0	RS-700	-0.59844566038
4727	-122.361	37.717	2142.304	2089052.134	6023291.708	0	RS-700	-0.03582427673
4728	-122.361	37.717	2158.509	2089053.260	6023290.024	0	RS-700	0.06609559748
4729	-122.361	37.717	2032.228	2089054.348	6023288.426	0	RS-700	-0.72812779874
4730	-122.361	37.717	2179.674	2089055.546	6023286.771	0	RS-700	0.19920742138
4731	-122.361	37.717	2077.749	2089057.157	6023284.518	0	RS-700	-0.44183125786
4732	-122.361	37.717	1787.472	2089058.696	6023282.205	0	RS-700	-2.26747069182
4733	-122.361	37.717	1905.737	2089060.161	6023279.978	0	RS-700	-1.52366572327
4734	-122.361	37.717	2132.855	2089061.806	6023277.812	0	RS-700	-0.09524874214
4735	-122.361	37.717	1980.421	2089063.525	6023275.618	0	RS-700	-1.05395729560
4736	-122.361	37.717	1284.591	2089065.279	6023273.512	0	RS-700	-5.43024792453
4737	-122.362	37.717	1116.070	2089066.847	6023271.576	0	RS-700	-6.49012377358
4738	-122.362	37.717	1654.589	2089068.487	6023269.700	0	RS-700	-3.10321679245
4739	-122.362	37.717	1986.826	2089069.986	6023267.560	0	RS-700	-1.01367289308
4740	-122.362	37.717	2072.747	2089071.518	6023265.594	0	RS-700	-0.47328905660
4741	-122.362	37.717	2070.162	2089073.233	6023263.603	0	RS-700	-0.48954955975
4742	-122.362	37.717	2124.340	2089075.020	6023261.642	0	RS-700	-0.14880610063
4743	-122.362	37.718	2109.543	2089076.735	6023259.680	0	RS-700	-0.24186578616
4744	-122.362	37.718	2167.564	2089078.303	6023257.715	0	RS-700	0.12304201258
4745	-122.362	37.718	2171.399	2089079.729	6023255.632	0	RS-700	0.14716396226
4746	-122.362	37.718	2157.990	2089081.117	6023253.605	0	RS-700	0.06283270440
4747	-122.362	37.718	2211.903	2089082.541	6023251.551	0	RS-700	0.40190622642
4748	-122.362	37.718	2154.989	2089084.078	6023249.383	0	RS-700	0.04395509434
4749	-122.362	37.718	2156.774	2089085.503	6023247.299	0	RS-700	0.05518415094
4750	-122.362	37.718	2230.690	2089087.183	6023245.221	0	RS-700	0.52006389937
4751	-122.362	37.718	2334.302	2089088.937	6023243.115	0	RS-700	1.17171194969
4752	-122.362	37.718	2419.987	2089090.690	6023241.038	0	RS-700	1.71060817610
4753	-122.362	37.718	2570.664	2089092.299	6023238.871	0	RS-700	1.09872002933
4754	-122.362	37.718	2610.939	2089093.531	6023237.333	0	RS-700	1.21682888563
4755	-122.362	37.718	2327.597	2089094.653	6023235.880	0	RS-700	0.38591542522
4756	-122.362	37.718	1726.463	2089095.813	6023234.341	0	RS-700	-1.37694140762
4757	-122.362	37.718	1780.378	2089097.195	6023232.575	0	RS-700	-1.21883214076
4758	-122.362	37.718	2497.280	2089098.617	6023230.694	0	RS-700	0.88351821114
4759	-122.362	37.718	2496.021	2089100.151	6023228.612	0	RS-700	0.87982586510
4760	-122.362	37.718	1978.989	2089102.132	6023226.048	0	RS-700	-0.63639609971
4761	-122.362	37.718	1899.964	2089103.491	6023223.645	0	RS-700	-0.86814131965
4762	-122.362	37.718	2253.584	2089104.703	6023221.326	0	RS-700	0.66405157233
4763	-122.362	37.718	2167.127	2089106.346	6023219.275	0	RS-700	0.12029452830
4764	-122.362	37.718	2108.284	2089107.882	6023217.136	0	RS-700	-0.24978440252
4765	-122.362	37.718	2160.668	2089109.528	6023214.912	0	RS-700	0.07967238994
4766	-122.362	37.718	2143.554	2089111.250	6023212.603	0	RS-700	-0.02796238994
4767	-122.362	37.718	2236.803	2089112.895	6023210.437	0	RS-700	0.55851169811
4768	-122.362	37.718	2134.769	2089114.576	6023208.330	0	RS-700	-0.08321503145
4769	-122.362	37.718	2145.313	2089116.220	6023206.251	0	RS-700	-0.01689628931

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4770	-122.362	37.718	2090.753	2089117.936	6023204.173	0	RS-700	-0.36004283019
4771	-122.362	37.718	2093.074	2089119.618	6023202.037	0	RS-700	-0.34544685535
4772	-122.362	37.718	2173.773	2089121.335	6023199.930	0	RS-700	0.16209433962
4773	-122.362	37.718	2116.867	2089123.090	6023197.737	0	RS-700	-0.19580301887
4774	-122.362	37.718	2140.795	2089124.773	6023195.514	0	RS-700	-0.04531729560
4775	-122.362	37.718	2233.690	2089126.455	6023193.349	0	RS-700	0.53893050315
4776	-122.362	37.718	2356.606	2089128.104	6023191.009	0	RS-700	1.31198597484
4777	-122.362	37.718	2184.887	2089129.862	6023188.701	0	RS-700	0.23199106918
4778	-122.362	37.718	2336.184	2089131.509	6023186.477	0	RS-700	1.18354735849
4779	-122.362	37.718	2292.617	2089133.155	6023184.253	0	RS-700	0.90954106918
4780	-122.362	37.718	2214.905	2089134.875	6023182.031	0	RS-700	0.42078496855
4781	-122.362	37.718	2280.919	2089136.558	6023179.779	0	RS-700	0.83596955975
4782	-122.362	37.718	2231.028	2089138.278	6023177.557	0	RS-700	0.52218572327
4783	-122.362	37.718	2264.943	2089139.923	6023175.391	0	RS-700	0.73549251572
4784	-122.362	37.718	2264.375	2089141.569	6023173.196	0	RS-700	0.73191603774
4785	-122.362	37.718	2224.688	2089143.214	6023171.059	0	RS-700	0.48231182390
4786	-122.362	37.718	2219.687	2089144.784	6023169.065	0	RS-700	0.45086150943
4787	-122.362	37.718	2294.406	2089146.577	6023166.815	0	RS-700	0.92079289308
4788	-122.362	37.718	2327.064	2089148.332	6023164.623	0	RS-700	1.12619125786
4789	-122.362	37.718	2308.520	2089150.013	6023162.486	0	RS-700	1.00955817610
4790	-122.362	37.718	2256.510	2089151.622	6023160.348	0	RS-700	0.68245333333
4791	-122.362	37.718	2241.242	2089153.229	6023158.269	0	RS-700	0.58642830189
4792	-122.362	37.718	2358.793	2089154.579	6023156.328	0	RS-700	1.32574094340
4793	-122.362	37.718	2228.364	2089155.915	6023155.082	0	RS-700	0.50543515723
4794	-122.362	37.718	2207.573	2089156.913	6023154.350	0	RS-700	0.37467037736
4795	-122.362	37.718	2241.917	2089157.941	6023153.936	0	RS-700	0.59067220126
4796	-122.362	37.718	2255.367	2089159.378	6023153.068	0	RS-700	0.67526603774
4797	-122.362	37.718	2184.335	2089160.608	6023151.675	0	RS-700	0.22852213837
4798	-122.362	37.718	2182.999	2089161.468	6023150.564	0	RS-700	0.22011943396
4799	-122.362	37.718	2310.291	2089162.043	6023149.100	0	RS-700	1.02069748428
4800	-122.362	37.718	2278.818	2089162.548	6023147.518	0	RS-700	0.82275566038
4801	-122.362	37.718	2239.024	2089162.975	6023146.167	0	RS-700	0.57247918239
4802	-122.362	37.718	2197.681	2089163.208	6023145.477	0	RS-700	0.31245616352
4803	-122.362	37.718	2307.172	2089163.320	6023145.306	0	RS-700	1.00108144654
4804	-122.362	37.718	2316.820	2089163.360	6023145.133	0	RS-700	1.06175886792
4805	-122.362	37.718	2271.811	2089163.245	6023145.449	0	RS-700	0.77868389937
4806	-122.362	37.718	2260.699	2089163.208	6023145.477	0	RS-700	0.70879836478
4807	-122.362	37.718	2255.809	2089163.396	6023145.163	0	RS-700	0.67804515723
4808	-122.362	37.718	2261.911	2089163.547	6023144.906	0	RS-700	0.71642295598
4809	-122.362	37.718	2277.140	2089163.547	6023144.906	0	RS-700	0.81220270440
4810	-122.362	37.718	2232.920	2089163.546	6023144.935	0	RS-700	0.53408647799
4811	-122.362	37.718	2336.840	2089163.584	6023144.877	0	RS-700	1.18767201258
4812	-122.362	37.718	2281.505	2089163.547	6023144.877	0	RS-700	0.83965534591
4813	-122.362	37.718	2188.562	2089163.548	6023144.848	0	RS-700	0.25510421384
4814	-122.362	37.718	2321.840	2089163.584	6023144.849	0	RS-700	1.09333169811

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4815	-122.362	37.718	2318.602	2089163.584	6023144.849	0	RS-700	1.07297113208
4816	-122.362	37.718	2219.571	2089163.584	6023144.849	0	RS-700	0.45013421384
4817	-122.362	37.718	2371.327	2089163.584	6023144.877	0	RS-700	1.40456987421
4818	-122.362	37.718	2306.298	2089163.584	6023144.877	0	RS-700	0.99558666667
4819	-122.362	37.718	2253.041	2089163.584	6023144.877	0	RS-700	0.66063742138
4820	-122.362	37.718	2215.136	2089163.621	6023144.820	0	RS-700	0.42223930818
4821	-122.362	37.718	2229.471	2089163.919	6023144.479	0	RS-700	0.51239704403
4822	-122.362	37.718	2255.699	2089164.069	6023144.308	0	RS-700	0.67735440252
4823	-122.362	37.718	2318.663	2089164.033	6023144.279	0	RS-700	1.07335069182
4824	-122.362	37.718	2281.937	2089164.070	6023144.251	0	RS-700	0.84237320755
4825	-122.362	37.718	2293.938	2089164.069	6023144.280	0	RS-700	0.91785113208
4826	-122.362	37.718	2370.721	2089164.070	6023144.251	0	RS-700	1.40076345912
4827	-122.362	37.718	2312.947	2089164.070	6023144.251	0	RS-700	1.03740534591
4828	-122.362	37.718	2246.578	2089164.069	6023144.280	0	RS-700	0.61998691824
4829	-122.362	37.718	2225.464	2089164.106	6023144.251	0	RS-700	0.48719591195
4830	-122.362	37.718	2358.615	2089164.106	6023144.251	0	RS-700	1.32462006289
4831	-122.362	37.718	2393.216	2089164.106	6023144.251	0	RS-700	1.54223716981
4832	-122.362	37.718	2306.713	2089164.106	6023144.280	0	RS-700	0.99819289308
4833	-122.362	37.718	2308.650	2089164.142	6023144.252	0	RS-700	1.01037924528
4834	-122.362	37.718	2254.033	2089164.142	6023144.252	0	RS-700	0.66687377359
4835	-122.362	37.718	2215.350	2089164.106	6023144.251	0	RS-700	0.42358245283
4836	-122.362	37.718	2314.599	2089164.106	6023144.251	0	RS-700	1.04778987421
4837	-122.362	37.718	2176.315	2089164.142	6023144.252	0	RS-700	0.17808415094
4838	-122.362	37.718	2251.579	2089164.106	6023144.251	0	RS-700	0.65144119497
4839	-122.362	37.718	2349.429	2089164.106	6023144.251	0	RS-700	1.26684798742
4840	-122.362	37.718	2341.060	2089164.106	6023144.251	0	RS-700	1.21421647799
4841	-122.362	37.718	2229.025	2089164.107	6023144.222	0	RS-700	0.50959075472
4842	-122.362	37.718	2314.066	2089164.144	6023144.194	0	RS-700	1.04444226415
4843	-122.362	37.718	2312.722	2089164.218	6023144.109	0	RS-700	1.03598805031
4844	-122.362	37.718	2295.826	2089164.218	6023144.109	0	RS-700	0.92972056604
4845	-122.362	37.718	2257.261	2089164.255	6023144.110	0	RS-700	0.68717849057
4846	-122.362	37.718	2245.694	2089164.218	6023144.109	0	RS-700	0.61442685535
4847	-122.362	37.718	2234.575	2089164.255	6023144.110	0	RS-700	0.54449974843
4848	-122.362	37.718	2275.591	2089164.218	6023144.138	0	RS-700	0.80245647799
4849	-122.362	37.718	2332.486	2089164.218	6023144.138	0	RS-700	1.16028981132
4850	-122.362	37.718	2222.693	2089164.405	6023143.881	0	RS-700	0.46976773585
4851	-122.362	37.718	2271.241	2089164.368	6023143.880	0	RS-700	0.77510276730
4852	-122.362	37.718	2263.465	2089164.368	6023143.880	0	RS-700	0.72619264151
4853	-122.362	37.718	2269.042	2089164.368	6023143.880	0	RS-700	0.76127050315
4854	-122.362	37.718	2245.462	2089164.368	6023143.880	0	RS-700	0.61296817610
4855	-122.362	37.718	2223.130	2089164.369	6023143.852	0	RS-700	0.47251628931
4856	-122.362	37.718	2322.952	2089164.368	6023143.880	0	RS-700	1.10032830189
4857	-122.362	37.718	2270.716	2089164.405	6023143.881	0	RS-700	0.77179572327
4858	-122.362	37.718	2332.957	2089164.404	6023143.910	0	RS-700	1.16325408805
4859	-122.362	37.718	2201.024	2089164.404	6023143.910	0	RS-700	0.33348276730

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4860	-122.362	37.718	2211.905	2089164.404	6023143.910	0	RS-700	0.40192062893
4861	-122.362	37.718	2237.031	2089164.441	6023143.911	0	RS-700	0.55994056604
4862	-122.362	37.718	2245.707	2089164.404	6023143.939	0	RS-700	0.61451050315
4863	-122.362	37.718	2250.703	2089164.404	6023143.910	0	RS-700	0.64593000000
4864	-122.362	37.718	2271.930	2089164.404	6023143.939	0	RS-700	0.77943477987
4865	-122.362	37.718	2342.194	2089164.440	6023143.940	0	RS-700	1.22134798742
4866	-122.362	37.718	2400.099	2089164.404	6023143.939	0	RS-700	1.58552729560
4867	-122.362	37.718	2347.606	2089164.368	6023143.909	0	RS-700	1.25538176101
4868	-122.362	37.718	2268.472	2089164.368	6023143.909	0	RS-700	0.75768830189
4869	-122.362	37.718	2272.042	2089164.368	6023143.909	0	RS-700	0.78014062893
4870	-122.362	37.718	2257.363	2089164.331	6023143.909	0	RS-700	0.68781855346
4871	-122.362	37.718	2273.916	2089164.368	6023143.909	0	RS-700	0.79192616352
4872	-122.362	37.718	2243.142	2089164.331	6023143.909	0	RS-700	0.59837616352
4873	-122.362	37.718	2275.047	2089164.332	6023143.880	0	RS-700	0.79903515723
4874	-122.362	37.718	2350.848	2089164.332	6023143.880	0	RS-700	1.27577270440
4875	-122.362	37.718	2278.162	2089164.332	6023143.880	0	RS-700	0.81862962264
4876	-122.362	37.718	2207.124	2089164.332	6023143.880	0	RS-700	0.37185106918
4877	-122.362	37.718	2288.704	2089164.331	6023143.909	0	RS-700	0.88492861635
4878	-122.362	37.718	2252.588	2089164.331	6023143.938	0	RS-700	0.65778320755
4879	-122.362	37.718	2259.147	2089164.294	6023143.937	0	RS-700	0.69903867925
4880	-122.362	37.718	2188.350	2089164.331	6023143.938	0	RS-700	0.25377471698
4881	-122.362	37.718	2218.017	2089164.330	6023143.967	0	RS-700	0.44035742138
4882	-122.362	37.718	2237.915	2089164.330	6023143.967	0	RS-700	0.56550094340
4883	-122.362	37.718	2210.117	2089164.330	6023143.995	0	RS-700	0.39067440252
4884	-122.362	37.718	2383.705	2089164.330	6023143.995	0	RS-700	1.48242025157
4885	-122.362	37.718	2186.768	2089164.294	6023143.966	0	RS-700	0.24382220126
4886	-122.362	37.718	2232.140	2089164.330	6023143.967	0	RS-700	0.52918352201
4887	-122.362	37.718	2298.282	2089164.330	6023143.967	0	RS-700	0.94517006289
4888	-122.362	37.718	2334.364	2089164.330	6023143.967	0	RS-700	1.17210371069
4889	-122.362	37.718	2277.042	2089164.330	6023143.967	0	RS-700	0.81158339623
4890	-122.362	37.718	2237.694	2089164.330	6023143.967	0	RS-700	0.56411301887
4891	-122.362	37.718	2257.698	2089164.331	6023143.938	0	RS-700	0.68992503145
4892	-122.362	37.718	2222.909	2089164.331	6023143.938	0	RS-700	0.47112628931
4893	-122.362	37.718	2285.819	2089164.331	6023143.938	0	RS-700	0.86678572327
4894	-122.362	37.718	2266.934	2089164.294	6023143.966	0	RS-700	0.74801169811
4895	-122.362	37.718	2272.704	2089164.294	6023143.966	0	RS-700	0.78430383648
4896	-122.362	37.718	2273.700	2089164.293	6023143.995	0	RS-700	0.79056421384
4897	-122.362	37.718	2398.583	2089164.256	6023144.023	0	RS-700	1.57599396226
4898	-122.362	37.718	2321.181	2089164.256	6023144.023	0	RS-700	1.08918842767
4899	-122.362	37.718	2201.013	2089164.256	6023144.052	0	RS-700	0.33341660377
4900	-122.362	37.718	2298.932	2089164.219	6023144.080	0	RS-700	0.94925880503
4901	-122.362	37.718	2191.575	2089164.293	6023144.024	0	RS-700	0.27405465409
4902	-122.362	37.718	2325.835	2089164.442	6023143.824	0	RS-700	1.11845924528
4903	-122.362	37.718	2283.704	2089165.003	6023143.112	0	RS-700	0.85348685535
4904	-122.362	37.718	2312.177	2089165.753	6023141.999	0	RS-700	1.03256081761

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4905	-122.362	37.718	2209.794	2089166.466	6023140.971	0	RS-700	0.38863855346
4906	-122.362	37.718	2250.831	2089167.065	6023140.115	0	RS-700	0.64673867925
4907	-122.362	37.718	2255.157	2089167.403	6023139.630	0	RS-700	0.67394238994
4908	-122.362	37.718	2119.550	2089167.478	6023139.516	0	RS-700	-0.17893100629
4909	-122.362	37.718	2185.004	2089167.590	6023139.403	0	RS-700	0.23272849057
4910	-122.362	37.718	2161.010	2089167.589	6023139.431	0	RS-700	0.08182389937
4911	-122.362	37.718	2245.031	2089167.590	6023139.403	0	RS-700	0.61025830189
4912	-122.362	37.718	2199.124	2089167.590	6023139.403	0	RS-700	0.32153591195
4913	-122.362	37.718	2207.795	2089167.590	6023139.374	0	RS-700	0.37607025157
4914	-122.362	37.718	2197.895	2089167.590	6023139.403	0	RS-700	0.31380773585
4915	-122.362	37.718	2288.477	2089167.590	6023139.374	0	RS-700	0.88350157233
4916	-122.362	37.718	2342.726	2089167.590	6023139.374	0	RS-700	1.22469301887
4917	-122.362	37.718	2221.032	2089167.590	6023139.374	0	RS-700	0.45931761006
4918	-122.362	37.718	2180.458	2089167.554	6023139.373	0	RS-700	0.20413962264
4919	-122.362	37.718	2251.809	2089167.554	6023139.373	0	RS-700	0.65288981132
4920	-122.362	37.718	2221.114	2089167.517	6023139.372	0	RS-700	0.45983635220
4921	-122.362	37.718	2179.247	2089167.554	6023139.344	0	RS-700	0.19652157233
4922	-122.362	37.718	2218.240	2089167.555	6023139.315	0	RS-700	0.44176132076
4923	-122.362	37.718	2272.930	2089168.043	6023138.573	0	RS-700	0.78572471698
4924	-122.362	37.718	2212.683	2089169.128	6023137.119	0	RS-700	0.40681314465
4925	-122.362	37.718	2187.768	2089170.328	6023135.378	0	RS-700	0.25011591195
4926	-122.362	37.718	2235.676	2089171.751	6023133.439	0	RS-700	0.55142358491
4927	-122.362	37.718	2253.699	2089173.061	6023131.642	0	RS-700	0.66477289308
4928	-122.362	37.718	2281.820	2089174.294	6023130.105	0	RS-700	0.84163616352
4929	-122.362	37.718	2207.018	2089175.339	6023128.795	0	RS-700	0.37118522013
4930	-122.362	37.718	1625.609	2089176.124	6023127.798	0	RS-700	-3.28547830189
4931	-122.362	37.718	1686.658	2089176.906	6023126.945	0	RS-700	-2.90151981132
4932	-122.362	37.718	2040.836	2089177.578	6023126.091	0	RS-700	-0.67399006289
4933	-122.362	37.718	2303.289	2089178.325	6023125.151	0	RS-700	0.97665987421
4934	-122.362	37.718	2268.151	2089178.812	6023124.466	0	RS-700	0.75566465409
4935	-122.362	37.718	2235.364	2089178.998	6023124.268	0	RS-700	0.54945735849
4936	-122.362	37.718	2278.935	2089178.998	6023124.268	0	RS-700	0.82349220126
4937	-122.362	37.718	2168.007	2089179.073	6023124.182	0	RS-700	0.12583220126
4938	-122.362	37.718	2214.349	2089179.072	6023124.211	0	RS-700	0.41728748428
4939	-122.362	37.718	2270.270	2089179.036	6023124.211	0	RS-700	0.76899333333
4940	-122.362	37.718	2341.665	2089179.036	6023124.211	0	RS-700	1.21802113208
4941	-122.362	37.718	2397.866	2089179.072	6023124.211	0	RS-700	1.57148339623
4942	-122.362	37.718	2325.748	2089179.072	6023124.211	0	RS-700	1.11791440252
4943	-122.362	37.718	2316.289	2089179.072	6023124.211	0	RS-700	1.05841968553
4944	-122.362	37.718	2272.703	2089179.072	6023124.211	0	RS-700	0.78429754717
4945	-122.362	37.718	2168.656	2089179.072	6023124.240	0	RS-700	0.12991094340
4946	-122.362	37.718	2298.747	2089179.035	6023124.268	0	RS-700	0.94809276730
4947	-122.362	37.718	2239.246	2089179.071	6023124.269	0	RS-700	0.57387509434
4948	-122.362	37.718	2218.572	2089179.071	6023124.269	0	RS-700	0.44384899371
4949	-122.362	37.718	2263.842	2089179.071	6023124.269	0	RS-700	0.72856327044

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4950	-122.362	37.718	2268.473	2089179.072	6023124.240	0	RS-700	0.75768955975
4951	-122.362	37.718	2281.595	2089179.035	6023124.239	0	RS-700	0.84021723270
4952	-122.362	37.718	2253.240	2089179.035	6023124.239	0	RS-700	0.66188647799
4953	-122.362	37.718	2245.817	2089179.035	6023124.239	0	RS-700	0.61519949686
4954	-122.362	37.718	2259.699	2089179.072	6023124.240	0	RS-700	0.70251031447
4955	-122.362	37.718	2228.024	2089179.035	6023124.239	0	RS-700	0.50329842767
4956	-122.362	37.718	2301.719	2089179.035	6023124.268	0	RS-700	0.96678779874
4957	-122.362	37.718	2353.490	2089179.035	6023124.239	0	RS-700	1.29239264151
4958	-122.362	37.718	2264.603	2089179.035	6023124.239	0	RS-700	0.73335427673
4959	-122.362	37.718	2209.572	2089178.999	6023124.239	0	RS-700	0.38724459120
4960	-122.362	37.718	2298.941	2089179.148	6023124.068	0	RS-700	0.94931132076
4961	-122.362	37.718	2378.856	2089179.598	6023123.412	0	RS-700	1.45192503145
4962	-122.362	37.718	2240.270	2089180.312	6023122.327	0	RS-700	0.58031251572
4963	-122.362	37.718	2268.585	2089181.136	6023121.186	0	RS-700	0.75839924528
4964	-122.362	37.718	2370.853	2089181.699	6023120.329	0	RS-700	1.40159339623
4965	-122.362	37.718	2249.709	2089182.109	6023119.874	0	RS-700	0.63968194969
4966	-122.362	37.718	2283.943	2089182.296	6023119.618	0	RS-700	0.85498779874
4967	-122.362	37.718	2276.390	2089182.258	6023119.675	0	RS-700	0.80748232704
4968	-122.362	37.718	2304.426	2089182.334	6023119.532	0	RS-700	0.98380899371
4969	-122.362	37.718	2361.982	2089183.117	6023118.621	0	RS-700	1.34579886792
4970	-122.362	37.718	2272.267	2089184.088	6023117.397	0	RS-700	0.78155119497
4971	-122.362	37.718	2340.192	2089185.284	6023115.858	0	RS-700	1.20875358491
4972	-122.362	37.718	2256.582	2089186.484	6023114.146	0	RS-700	0.68290528302
4973	-122.362	37.718	2270.377	2089187.757	6023112.407	0	RS-700	0.76966540881
4974	-122.362	37.718	2016.713	2089189.138	6023110.699	0	RS-700	-0.82570716981
4975	-122.362	37.718	1777.528	2089190.413	6023108.873	0	RS-700	-2.33001138365
4976	-122.362	37.718	2180.786	2089191.575	6023107.189	0	RS-700	0.20620125786
4977	-122.362	37.718	2391.100	2089192.698	6023105.678	0	RS-700	1.52892823899
4978	-122.362	37.718	2254.147	2089193.931	6023104.111	0	RS-700	0.66759157233
4979	-122.362	37.718	2280.478	2089195.383	6023102.491	0	RS-700	0.83319452830
4980	-122.362	37.718	2352.670	2089196.656	6023100.752	0	RS-700	1.28723452830
4981	-122.362	37.718	2405.228	2089198.039	6023098.986	0	RS-700	1.61778301887
4982	-122.362	37.718	2370.615	2089199.424	6023097.075	0	RS-700	1.40009597484
4983	-122.362	37.718	2503.400	2089200.846	6023095.165	0	RS-700	2.23521742138
4984	-122.362	37.718	2425.203	2089202.302	6023093.371	0	RS-700	1.74341591195
4985	-122.362	37.718	2450.002	2089203.757	6023091.635	0	RS-700	1.89938402516
4986	-122.362	37.718	2316.067	2089205.250	6023089.814	0	RS-700	1.05702685535
4987	-122.362	37.718	2416.470	2089206.670	6023087.990	0	RS-700	1.68848874214
4988	-122.362	37.718	2366.324	2089208.091	6023086.167	0	RS-700	1.37310817610
4989	-122.362	37.718	2389.855	2089209.549	6023084.258	0	RS-700	1.52109886792
4990	-122.362	37.718	2391.741	2089210.897	6023082.404	0	RS-700	1.53296402516
4991	-122.362	37.718	2302.824	2089212.245	6023080.550	0	RS-700	0.97373716981
4992	-122.362	37.718	2411.075	2089213.518	6023078.811	0	RS-700	1.65455867925
4993	-122.362	37.718	2378.327	2089214.751	6023077.216	0	RS-700	1.44859987421
4994	-122.362	37.718	2431.484	2089215.649	6023076.018	0	RS-700	1.78291616352

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4995	-122.362	37.718	2395.980	2089216.321	6023075.193	0	RS-700	1.55962257862
4996	-122.362	37.718	2417.116	2089216.620	6023074.823	0	RS-700	1.69255314465
4997	-122.362	37.718	2333.606	2089216.582	6023074.880	0	RS-700	1.16733044025
4998	-122.362	37.718	2339.718	2089216.582	6023074.880	0	RS-700	1.20577471698
4999	-122.362	37.718	2383.677	2089216.544	6023074.966	0	RS-700	1.48224389937
5000	-122.362	37.718	2414.353	2089216.507	6023075.023	0	RS-700	1.67517849057
5001	-122.362	37.718	2430.994	2089216.470	6023075.051	0	RS-700	1.77983647799
5002	-122.362	37.718	2301.818	2089216.432	6023075.108	0	RS-700	0.96740893082
5003	-122.362	37.718	2343.849	2089216.432	6023075.137	0	RS-700	1.23175333333
5004	-122.362	37.718	2498.020	2089216.358	6023075.165	0	RS-700	2.20138654088
5005	-122.362	37.718	2448.243	2089216.321	6023075.193	0	RS-700	1.88832295597
5006	-122.362	37.718	2466.342	2089216.248	6023075.220	0	RS-700	2.00215389937
5007	-122.362	37.718	2402.136	2089216.247	6023075.249	0	RS-700	1.59833905660
5008	-122.362	37.718	2410.263	2089216.210	6023075.306	0	RS-700	1.64945396226
5009	-122.362	37.718	2365.966	2089216.172	6023075.363	0	RS-700	1.37085691824
5010	-122.362	37.718	2420.240	2089216.135	6023075.420	0	RS-700	1.71220138365
5011	-122.362	37.718	2412.866	2089216.097	6023075.478	0	RS-700	1.66582389937
5012	-122.362	37.718	2430.633	2089216.061	6023075.477	0	RS-700	1.77756861635
5013	-122.362	37.718	2356.200	2089216.061	6023075.477	0	RS-700	1.30943383648
5014	-122.362	37.718	2418.098	2089216.061	6023075.477	0	RS-700	1.69873213836
5015	-122.362	37.718	2343.080	2089216.061	6023075.477	0	RS-700	1.22691855346
5016	-122.362	37.718	2427.238	2089216.024	6023075.505	0	RS-700	1.75621427673
5017	-122.362	37.718	2399.345	2089216.024	6023075.505	0	RS-700	1.58078477987
5018	-122.362	37.718	2369.113	2089216.024	6023075.476	0	RS-700	1.39064849057
5019	-122.362	37.718	2445.878	2089216.099	6023075.362	0	RS-700	1.87344773585
5020	-122.362	37.718	2345.193	2089216.657	6023074.765	0	RS-700	1.24020798742
5021	-122.362	37.718	2453.749	2089217.665	6023073.570	0	RS-700	1.92294918239
5022	-122.362	37.718	2361.964	2089218.895	6023072.120	0	RS-700	1.34568314465
5023	-122.362	37.718	2404.103	2089220.166	6023070.496	0	RS-700	1.61070805031
5024	-122.362	37.718	2289.954	2089221.328	6023068.812	0	RS-700	0.89278962264
5025	-122.362	37.718	2225.468	2089222.565	6023067.072	0	RS-700	0.48722201258
5026	-122.362	37.718	2269.582	2089223.875	6023065.275	0	RS-700	0.76466578616
5027	-122.362	37.718	2224.022	2089225.261	6023063.365	0	RS-700	0.47812779874
5028	-122.362	37.718	2291.933	2089226.646	6023061.454	0	RS-700	0.90523748428
5029	-122.362	37.718	2210.757	2089227.995	6023059.571	0	RS-700	0.39469584906
5030	-122.362	37.718	2187.222	2089229.525	6023057.721	0	RS-700	0.24668075472
5031	-122.362	37.718	2227.913	2089231.055	6023055.871	0	RS-700	0.50259786164
5032	-122.362	37.718	2181.783	2089232.584	6023054.050	0	RS-700	0.21247358491
5033	-122.362	37.718	2131.733	2089234.078	6023052.200	0	RS-700	-0.10230716981
5034	-122.362	37.718	2166.671	2089235.499	6023050.347	0	RS-700	0.11742522013
5035	-122.362	37.718	2086.749	2089236.883	6023048.494	0	RS-700	-0.38522440252
5036	-122.362	37.718	2227.471	2089238.304	6023046.642	0	RS-700	0.49981974843
5037	-122.362	37.718	2188.786	2089239.799	6023044.734	0	RS-700	0.25651647799
5038	-122.362	37.718	2132.084	2089241.257	6023042.824	0	RS-700	-0.10009924528
5039	-122.362	37.718	2121.651	2089242.750	6023040.974	0	RS-700	-0.16571823899

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5040	-122.362	37.718	2230.582	2089244.210	6023039.007	0	RS-700	0.51938440252
5041	-122.362	37.718	2194.890	2089245.705	6023037.098	0	RS-700	0.29490786164
5042	-122.362	37.718	2183.676	2089247.198	6023035.276	0	RS-700	0.22437830189
5043	-122.362	37.718	2261.492	2089248.728	6023033.397	0	RS-700	0.71378805031
5044	-122.362	37.718	2221.896	2089250.184	6023031.633	0	RS-700	0.46475767296
5045	-122.362	37.718	2138.346	2089251.454	6023030.009	0	RS-700	-0.06071779874
5046	-122.362	37.718	2258.037	2089252.725	6023028.385	0	RS-700	0.69205603774
5047	-122.362	37.718	2265.040	2089253.960	6023026.732	0	RS-700	0.73609761006
5048	-122.362	37.718	2256.930	2089255.194	6023025.107	0	RS-700	0.68509440252
5049	-122.362	37.718	2209.464	2089256.165	6023023.883	0	RS-700	0.38656459120
5050	-122.362	37.718	2179.784	2089256.801	6023023.056	0	RS-700	0.19989635220
5051	-122.362	37.718	2164.996	2089257.062	6023022.743	0	RS-700	0.10689566038
5052	-122.362	37.718	2218.240	2089257.136	6023022.687	0	RS-700	0.44176257862
5053	-122.362	37.718	2288.281	2089257.099	6023022.715	0	RS-700	0.88226886793
5054	-122.362	37.718	2199.997	2089257.099	6023022.715	0	RS-700	0.32702528302
5055	-122.362	37.718	2224.784	2089257.098	6023022.744	0	RS-700	0.48291817610
5056	-122.362	37.718	2300.518	2089257.098	6023022.773	0	RS-700	0.95923169811
5057	-122.362	37.718	2209.930	2089257.098	6023022.773	0	RS-700	0.38949547170
5058	-122.362	37.718	2203.437	2089257.098	6023022.773	0	RS-700	0.34866050315
5059	-122.362	37.718	2181.870	2089258.022	6023022.097	0	RS-700	0.21302062893
5060	-122.362	37.718	2247.808	2089258.021	6023022.126	0	RS-700	0.62772270440
5061	-122.362	37.718	2115.228	2089257.098	6023022.773	0	RS-700	-0.20611553459
5062	-122.362	37.718	2208.351	2089257.061	6023022.772	0	RS-700	0.37956572327
5063	-122.362	37.718	2205.326	2089257.061	6023022.801	0	RS-700	0.36054119497
5064	-122.362	37.718	2158.422	2089257.061	6023022.801	0	RS-700	0.06554433962
5065	-122.362	37.718	2153.201	2089257.061	6023022.801	0	RS-700	0.03271226415
5066	-122.362	37.718	2241.584	2089257.024	6023022.829	0	RS-700	0.58858018868
5067	-122.362	37.718	2131.203	2089257.984	6023022.154	0	RS-700	-0.10564257862
5068	-122.362	37.718	2297.041	2089258.094	6023022.098	0	RS-700	0.93736314465
5069	-122.362	37.718	2262.259	2089258.432	6023021.613	0	RS-700	0.71860849057
5070	-122.362	37.718	2184.905	2089259.327	6023020.561	0	RS-700	0.23210446541
5071	-122.362	37.718	2255.694	2089260.412	6023019.078	0	RS-700	0.67731893082
5072	-122.362	37.718	2262.152	2089261.537	6023017.451	0	RS-700	0.71793974843
5073	-122.362	37.718	2226.676	2089262.332	6023015.934	0	RS-700	0.49481905660
5074	-122.362	37.718	2203.682	2089263.009	6023014.877	0	RS-700	0.35020100629
5075	-122.362	37.718	2181.569	2089263.532	6023014.222	0	RS-700	0.21112761006
5076	-122.362	37.718	2207.464	2089264.162	6023013.656	0	RS-700	0.37398792453
5077	-122.362	37.718	2223.900	2089264.679	6023013.319	0	RS-700	0.47735899371
5078	-122.362	37.718	2262.172	2089263.939	6023013.912	0	RS-700	0.71806358491
5079	-122.362	37.718	2228.351	2089264.012	6023013.884	0	RS-700	0.50535081761
5080	-122.362	37.718	2224.798	2089264.341	6023013.804	0	RS-700	0.48300905660
5081	-122.362	37.718	2151.671	2089265.037	6023013.615	0	RS-700	0.02308779874
5082	-122.362	37.718	2213.570	2089266.026	6023013.317	0	RS-700	0.41238735849
5083	-122.362	37.718	2288.599	2089268.058	6023011.882	0	RS-700	0.88426937107
5084	-122.362	37.718	2267.703	2089268.989	6023010.830	0	RS-700	0.75284654088



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5085	-122.362	37.718	2201.228	2089269.924	6023009.634	0	RS-700	0.33476723270
5086	-122.362	37.718	2205.792	2089270.643	6023008.259	0	RS-700	0.36347163522
5087	-122.362	37.718	2271.812	2089270.886	6023007.049	0	RS-700	0.77869396226
5088	-122.362	37.718	2284.735	2089270.788	6023006.440	0	RS-700	0.85996836478
5089	-122.362	37.718	2166.670	2089270.800	6023005.861	0	RS-700	0.11742150943
5090	-122.362	37.718	2225.574	2089270.763	6023005.889	0	RS-700	0.48788716981
5091	-122.362	37.718	2145.982	2089270.721	6023006.149	0	RS-700	-0.01269276730
5092	-122.362	37.718	2265.390	2089270.884	6023005.313	0	RS-700	0.73830000000
5093	-122.362	37.718	2230.912	2089271.151	6023004.682	0	RS-700	0.52146188679
5094	-122.362	37.718	2208.900	2089270.962	6023005.025	0	RS-700	0.38301647799
5095	-122.362	37.718	2194.335	2089270.887	6023005.169	0	RS-700	0.29141767296
5096	-122.362	37.718	2220.910	2089270.849	6023005.226	0	RS-700	0.45855628931
5097	-122.362	37.718	2217.568	2089271.000	6023004.968	0	RS-700	0.43753723270
5098	-122.362	37.718	2286.281	2089270.925	6023005.083	0	RS-700	0.86969056604
5099	-122.362	37.718	2309.867	2089270.926	6023005.025	0	RS-700	1.01803440252
5100	-122.362	37.718	2283.828	2089270.963	6023004.997	0	RS-700	0.85426327044
5101	-122.362	37.718	2270.257	2089271.151	6023004.711	0	RS-700	0.76891018868
5102	-122.362	37.718	2210.571	2089271.039	6023004.853	0	RS-700	0.39352635220
5103	-122.362	37.718	2276.933	2089271.379	6023004.195	0	RS-700	0.81089635220
5104	-122.362	37.718	2300.711	2089272.088	6023003.370	0	RS-700	0.96044691824
5105	-122.362	37.718	2256.035	2089272.835	6023002.430	0	RS-700	0.67946616352
5106	-122.362	37.718	2331.307	2089273.432	6023001.719	0	RS-700	1.15287333333
5107	-122.362	37.718	2293.942	2089273.843	6023001.206	0	RS-700	0.91787553459
5108	-122.362	37.718	2263.597	2089273.955	6023001.064	0	RS-700	0.72702226415
5109	-122.362	37.718	2285.943	2089273.880	6023001.149	0	RS-700	0.86756792453
5110	-122.362	37.718	2320.953	2089273.918	6023001.092	0	RS-700	1.08775364780
5111	-122.362	37.718	2356.078	2089273.918	6023001.063	0	RS-700	1.30866622642
5112	-122.362	37.718	2285.825	2089273.882	6023001.062	0	RS-700	0.86682427673
5113	-122.362	37.718	2336.189	2089273.881	6023001.091	0	RS-700	1.18357603774
5114	-122.362	37.718	2362.440	2089273.845	6023001.091	0	RS-700	1.34868075472
5115	-122.362	37.718	2205.124	2089273.844	6023001.119	0	RS-700	0.35927132076
5116	-122.362	37.718	2307.175	2089273.845	6023001.091	0	RS-700	1.00110257862
5117	-122.362	37.718	2306.599	2089273.845	6023001.091	0	RS-700	0.99747735849
5118	-122.362	37.718	2355.845	2089273.845	6023001.091	0	RS-700	1.30719842767
5119	-122.362	37.718	2336.948	2089273.845	6023001.091	0	RS-700	1.18835094340
5120	-122.362	37.718	2296.065	2089273.881	6023001.091	0	RS-700	0.93122440252
5121	-122.362	37.718	2303.823	2089273.881	6023001.091	0	RS-700	0.98001691824
5122	-122.362	37.718	2227.484	2089273.881	6023001.091	0	RS-700	0.49989861635
5123	-122.362	37.718	2351.837	2089273.881	6023001.091	0	RS-700	1.28199201258
5124	-122.362	37.718	2298.026	2089273.881	6023001.091	0	RS-700	0.94356106918
5125	-122.362	37.718	2273.951	2089273.918	6023001.092	0	RS-700	0.79214622642
5126	-122.362	37.718	2237.917	2089273.956	6023000.977	0	RS-700	0.56551459120
5127	-122.362	37.718	2265.812	2089274.477	6023000.438	0	RS-700	0.74095672956
5128	-122.362	37.718	2317.534	2089275.039	6022999.639	0	RS-700	1.06625025157
5129	-122.362	37.718	2277.498	2089275.899	6022998.528	0	RS-700	0.81445522013

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5130	-122.362	37.718	2251.035	2089276.721	6022997.503	0	RS-700	0.64801742138
5131	-122.362	37.718	2324.187	2089277.245	6022996.790	0	RS-700	1.10809452830
5132	-122.362	37.718	2269.812	2089277.544	6022996.391	0	RS-700	0.76611081761
5133	-122.362	37.718	2313.176	2089277.768	6022996.106	0	RS-700	1.03884220126
5134	-122.362	37.718	2201.567	2089278.291	6022995.451	0	RS-700	0.33690056604
5135	-122.362	37.718	2033.879	2089278.964	6022994.567	0	RS-700	-0.71773924528
5136	-122.362	37.718	1934.364	2089279.787	6022993.484	0	RS-700	-1.34362276730
5137	-122.362	37.718	2229.476	2089280.796	6022992.203	0	RS-700	0.51243000000
5138	-122.362	37.718	2279.707	2089281.918	6022990.721	0	RS-700	0.82834798742
5139	-122.362	37.718	2319.413	2089283.189	6022989.068	0	RS-700	1.07806962264
5140	-122.362	37.718	2329.765	2089284.349	6022987.500	0	RS-700	1.14317389937
5141	-122.363	37.718	2279.746	2089285.511	6022985.845	0	RS-700	0.82858930818
5142	-122.363	37.718	2371.968	2089286.448	6022984.533	0	RS-700	1.40860062893
5143	-122.363	37.718	2282.041	2089287.122	6022983.563	0	RS-700	0.84302553459
5144	-122.363	37.718	2289.599	2089287.459	6022983.107	0	RS-700	0.89055893082
5145	-122.363	37.718	2342.079	2089287.610	6022982.878	0	RS-700	1.22062169811
5146	-122.363	37.718	2265.039	2089287.797	6022982.593	0	RS-700	0.73609622642
5147	-122.363	37.718	2268.586	2089287.872	6022982.478	0	RS-700	0.75840402516
5148	-122.363	37.718	2266.472	2089287.947	6022982.393	0	RS-700	0.74510616352
5149	-122.363	37.718	2336.312	2089287.984	6022982.365	0	RS-700	1.18435528302
5150	-122.363	37.718	2279.934	2089287.984	6022982.365	0	RS-700	0.82977251572
5151	-122.363	37.718	2311.372	2089287.984	6022982.365	0	RS-700	1.02749440252
5152	-122.363	37.718	2328.425	2089288.020	6022982.366	0	RS-700	1.13475025157
5153	-122.363	37.718	2449.002	2089288.132	6022982.252	0	RS-700	1.89309446541
5154	-122.363	37.718	2265.149	2089288.586	6022981.393	0	RS-700	0.73678735849
5155	-122.363	37.718	2395.572	2089289.412	6022980.166	0	RS-700	1.55705698113
5156	-122.363	37.718	2391.739	2089290.498	6022978.654	0	RS-700	1.53294937107
5157	-122.363	37.718	2240.918	2089291.510	6022977.228	0	RS-700	0.58439295598
5158	-122.363	37.718	2304.059	2089292.481	6022976.003	0	RS-700	0.98150591195
5159	-122.363	37.718	2288.164	2089293.554	6022975.156	0	RS-700	0.88153691824
5160	-122.363	37.718	2336.608	2089294.487	6022974.018	0	RS-700	1.18621440252
5161	-122.363	37.718	2305.064	2089295.462	6022972.591	0	RS-700	0.98782220126
5162	-122.363	37.718	2285.628	2089296.510	6022971.165	0	RS-700	0.86558515723
5163	-122.363	37.718	2256.354	2089297.451	6022969.651	0	RS-700	0.68147314465
5164	-122.363	37.718	2243.919	2089298.720	6022968.085	0	RS-700	0.60326245283
5165	-122.363	37.718	2406.943	2089300.174	6022966.407	0	RS-700	1.62857138365
5166	-122.363	37.718	2218.112	2089301.478	6022964.928	0	RS-700	0.44095748428
5167	-122.363	37.718	2336.543	2089302.563	6022963.503	0	RS-700	1.18580566038
5168	-122.363	37.718	2327.605	2089303.573	6022962.164	0	RS-700	1.12958911950
5169	-122.363	37.718	2266.280	2089304.468	6022961.082	0	RS-700	0.74390245283
5170	-122.363	37.718	2186.348	2089304.507	6022960.967	0	RS-700	0.24117981132
5171	-122.363	37.718	2311.952	2089303.609	6022962.193	0	RS-700	1.03114553459
5172	-122.363	37.718	2294.824	2089302.202	6022963.352	0	RS-700	0.92342207547
5173	-122.363	37.718	2316.887	2089300.396	6022964.415	0	RS-700	1.06217962264
5174	-122.363	37.718	2312.165	2089299.656	6022965.008	0	RS-700	1.03248698113

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5175	-122.363	37.718	2270.692	2089299.768	6022964.836	0	RS-700	0.77164666667
5176	-122.363	37.718	2209.686	2089300.067	6022964.495	0	RS-700	0.38796295598
5177	-122.363	37.718	2298.168	2089300.364	6022964.212	0	RS-700	0.94445176101
5178	-122.363	37.718	2243.470	2089300.474	6022964.127	0	RS-700	0.60043987421
5179	-122.363	37.718	2290.167	2089300.511	6022964.128	0	RS-700	0.89413251572
5180	-122.363	37.718	2344.081	2089300.511	6022964.099	0	RS-700	1.23321238994
5181	-122.363	37.718	2174.312	2089300.511	6022964.099	0	RS-700	0.16548446541
5182	-122.363	37.718	2283.721	2089300.548	6022964.100	0	RS-700	0.85359371069
5183	-122.363	37.718	2244.468	2089300.548	6022964.100	0	RS-700	0.60671660377
5184	-122.363	37.718	2310.077	2089300.547	6022964.129	0	RS-700	1.01934955975
5185	-122.363	37.718	2346.445	2089300.547	6022964.129	0	RS-700	1.24808000000
5186	-122.363	37.718	2222.686	2089300.696	6022963.958	0	RS-700	0.46972616352
5187	-122.363	37.718	2282.705	2089301.361	6022963.508	0	RS-700	0.84720188679
5188	-122.363	37.718	2272.498	2089302.351	6022963.152	0	RS-700	0.78300358491
5189	-122.363	37.718	2353.966	2089303.738	6022963.006	0	RS-700	1.29538628931
5190	-122.363	37.718	2323.938	2089304.970	6022963.349	0	RS-700	1.10652735849
5191	-122.363	37.718	2280.366	2089305.761	6022963.856	0	RS-700	0.83249251572
5192	-122.363	37.718	2187.224	2089305.048	6022963.090	0	RS-700	0.24669257862
5193	-122.363	37.718	2237.024	2089303.654	6022961.760	0	RS-700	0.55989754717
5194	-122.363	37.718	2225.579	2089302.756	6022961.106	0	RS-700	0.48791748428
5195	-122.363	37.718	2292.171	2089303.153	6022961.288	0	RS-700	0.90673534591
5196	-122.363	37.718	2225.694	2089304.195	6022962.003	0	RS-700	0.48863924528
5197	-122.363	37.718	2290.822	2089304.973	6022963.175	0	RS-700	0.89825201258
5198	-122.363	37.718	2285.159	2089305.278	6022964.339	0	RS-700	0.86263270440
5199	-122.363	37.718	2400.872	2089305.261	6022965.177	0	RS-700	1.59039031447
5200	-122.363	37.718	2234.699	2089305.378	6022964.803	0	RS-700	0.54527534591
5201	-122.363	37.718	2283.273	2089305.916	6022963.368	0	RS-700	0.85077176101
5202	-122.363	37.718	2262.155	2089306.452	6022962.076	0	RS-700	0.71795899371
5203	-122.363	37.718	2344.724	2089306.611	6022961.385	0	RS-700	1.23725798742
5204	-122.363	37.718	2406.227	2089306.615	6022961.183	0	RS-700	1.62406679245
5205	-122.363	37.718	2383.497	2089306.612	6022961.327	0	RS-700	1.48111364780
5206	-122.363	37.718	2228.354	2089306.575	6022961.356	0	RS-700	0.50537106918
5207	-122.363	37.718	2346.958	2089306.613	6022961.299	0	RS-700	1.25130616352
5208	-122.363	37.718	2279.818	2089306.452	6022962.048	0	RS-700	0.82904522013
5209	-122.363	37.718	2185.232	2089305.914	6022963.454	0	RS-700	0.23416257862
5210	-122.363	37.718	2229.124	2089304.903	6022964.852	0	RS-700	0.51021471698
5211	-122.363	37.718	2424.004	2089304.087	6022965.588	0	RS-700	1.73587301887
5212	-122.363	37.718	2304.943	2089303.347	6022966.210	0	RS-700	0.98706320755
5213	-122.363	37.718	2324.409	2089302.531	6022966.917	0	RS-700	1.10949226415
5214	-122.363	37.718	2267.382	2089302.568	6022966.917	0	RS-700	0.75082874214
5215	-122.363	37.718	2360.333	2089302.382	6022967.116	0	RS-700	1.33543031447
5216	-122.363	37.718	2298.484	2089302.081	6022967.573	0	RS-700	0.94644251572
5217	-122.363	37.718	2285.706	2089301.706	6022968.115	0	RS-700	0.86607572327
5218	-122.363	37.718	2194.897	2089301.220	6022968.742	0	RS-700	0.29495194969
5219	-122.363	37.718	2275.389	2089300.807	6022969.370	0	RS-700	0.80118823899

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5220	-122.363	37.718	2273.356	2089300.320	6022970.055	0	RS-700	0.78840553459
5221	-122.363	37.718	2262.823	2089299.756	6022970.940	0	RS-700	0.72215754717
5222	-122.363	37.718	2344.960	2089299.006	6022972.025	0	RS-700	1.23874295597
5223	-122.363	37.718	2318.371	2089298.146	6022973.165	0	RS-700	1.07151377358
5224	-122.363	37.718	2259.034	2089297.250	6022974.275	0	RS-700	0.69832905660
5225	-122.363	37.718	2335.066	2089296.538	6022975.274	0	RS-700	1.17651811321
5226	-122.363	37.718	2241.927	2089295.973	6022976.188	0	RS-700	0.59073427673
5227	-122.363	37.718	2216.355	2089295.412	6022976.958	0	RS-700	0.42990427673
5228	-122.363	37.718	2242.041	2089294.701	6022977.899	0	RS-700	0.59145264151
5229	-122.363	37.718	2307.837	2089294.029	6022978.724	0	RS-700	1.00526716981
5230	-122.363	37.718	2310.829	2089293.320	6022979.578	0	RS-700	1.02408377358
5231	-122.363	37.718	2283.591	2089292.648	6022980.433	0	RS-700	0.85277333333
5232	-122.363	37.718	2288.172	2089292.048	6022981.289	0	RS-700	0.88158440252
5233	-122.363	37.718	2272.151	2089292.572	6022982.398	0	RS-700	0.78082685535
5234	-122.363	37.718	2264.270	2089291.863	6022983.281	0	RS-700	0.73125578616
5235	-122.363	37.718	2300.711	2089291.041	6022984.306	0	RS-700	0.96044452830
5236	-122.363	37.718	2282.827	2089290.145	6022985.417	0	RS-700	0.84796867925
5237	-122.363	37.718	2310.288	2089289.245	6022986.730	0	RS-700	1.02068125786
5238	-122.362	37.718	2263.498	2089288.343	6022988.100	0	RS-700	0.72640157233
5239	-122.362	37.718	2339.723	2089287.478	6022989.472	0	RS-700	1.20580358491
5240	-122.362	37.718	2339.068	2089286.543	6022990.697	0	RS-700	1.20168641509
5241	-122.362	37.718	2310.481	2089285.681	6022991.924	0	RS-700	1.02189465409
5242	-122.362	37.718	2175.883	2089284.856	6022993.122	0	RS-700	0.17536490566
5243	-122.362	37.718	2232.585	2089283.992	6022994.465	0	RS-700	0.53198238994
5244	-122.362	37.718	2246.803	2089283.018	6022995.805	0	RS-700	0.62140553459
5245	-122.362	37.718	2353.846	2089282.010	6022997.087	0	RS-700	1.29462584906
5246	-122.362	37.718	2295.056	2089280.817	6022998.452	0	RS-700	0.92487955975
5247	-122.362	37.718	2243.350	2089279.772	6022999.704	0	RS-700	0.59968522013
5248	-122.362	37.718	2241.026	2089278.871	6023001.075	0	RS-700	0.58506867925
5249	-122.362	37.718	2256.150	2089278.079	6023002.448	0	RS-700	0.68018622642
5250	-122.362	37.718	2194.894	2089277.251	6023003.791	0	RS-700	0.29493308176
5251	-122.362	37.718	2239.374	2089276.424	6023005.105	0	RS-700	0.57468106918
5252	-122.362	37.718	2174.892	2089275.598	6023006.333	0	RS-700	0.16913163522
5253	-122.362	37.718	2128.665	2089274.624	6023007.673	0	RS-700	-0.12160534591
5254	-122.362	37.718	2171.672	2089273.650	6023009.042	0	RS-700	0.14888062893
5255	-122.362	37.718	2229.024	2089272.710	6023010.528	0	RS-700	0.50958591195
5256	-122.362	37.718	2204.138	2089271.810	6023011.841	0	RS-700	0.35306622642
5257	-122.362	37.718	2240.353	2089270.876	6023013.008	0	RS-700	0.58083477987
5258	-122.362	37.718	2203.444	2089269.830	6023014.318	0	RS-700	0.34870490566
5259	-122.362	37.718	2249.799	2089268.752	6023015.425	0	RS-700	0.64024389937
5260	-122.362	37.718	2192.683	2089267.749	6023016.418	0	RS-700	0.28102465409
5261	-122.362	37.718	2294.021	2089266.706	6023017.612	0	RS-700	0.91837415094
5262	-122.362	37.718	2143.554	2089265.402	6023019.062	0	RS-700	-0.02796062893
5263	-122.362	37.718	2118.557	2089264.172	6023020.484	0	RS-700	-0.18517509434
5264	-122.362	37.718	2211.353	2089263.161	6023021.852	0	RS-700	0.39844893082

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5265	-122.362	37.718	2239.915	2089262.479	6023023.227	0	RS-700	0.57808251572
5266	-122.362	37.718	2209.232	2089261.723	6023024.601	0	RS-700	0.38510578616
5267	-122.362	37.718	2222.689	2089260.891	6023026.118	0	RS-700	0.46973911950
5268	-122.362	37.718	2239.692	2089260.137	6023027.404	0	RS-700	0.57667635220
5269	-122.362	37.718	2149.773	2089259.385	6023028.604	0	RS-700	0.01115138365
5270	-122.362	37.718	2264.036	2089258.523	6023029.831	0	RS-700	0.72978364780
5271	-122.362	37.718	2207.687	2089257.624	6023031.086	0	RS-700	0.37538981132
5272	-122.362	37.718	2152.662	2089256.614	6023032.455	0	RS-700	0.02931937107
5273	-122.362	37.718	2248.032	2089255.526	6023034.024	0	RS-700	0.62912924528
5274	-122.362	37.718	2225.254	2089254.695	6023035.512	0	RS-700	0.48587257862
5275	-122.362	37.718	2257.799	2089254.203	6023036.457	0	RS-700	0.69055981132
5276	-122.362	37.718	2214.793	2089254.395	6023035.969	0	RS-700	0.42008314465
5277	-122.362	37.718	2199.118	2089254.719	6023034.327	0	RS-700	0.32149767296
5278	-122.362	37.718	2185.891	2089254.725	6023032.186	0	RS-700	0.23830515723
5279	-122.362	37.718	2213.789	2089254.149	6023030.034	0	RS-700	0.41376723270
5280	-122.362	37.718	2283.736	2089252.650	6023028.470	0	RS-700	0.85368238994
5281	-122.362	37.718	2189.334	2089250.949	6023027.945	0	RS-700	0.25996490566
5282	-122.362	37.718	2224.802	2089249.128	6023027.966	0	RS-700	0.48303433962
5283	-122.362	37.718	2099.650	2089247.583	6023028.717	0	RS-700	-0.30408540881
5284	-122.362	37.718	2243.805	2089246.366	6023029.474	0	RS-700	0.60254440252
5285	-122.362	37.718	2203.022	2089246.772	6023029.221	0	RS-700	0.34605037736
5286	-122.362	37.718	2303.706	2089247.915	6023028.521	0	RS-700	0.97928257862
5287	-122.362	37.718	2291.166	2089249.384	6023027.885	0	RS-700	0.90041490566
5288	-122.362	37.718	2251.033	2089250.776	6023027.507	0	RS-700	0.64800446541
5289	-122.362	37.718	2148.881	2089252.417	6023027.395	0	RS-700	0.00553981132
5290	-122.362	37.718	2313.949	2089254.127	6023027.458	0	RS-700	1.04370301887
5291	-122.362	37.718	2178.107	2089255.949	6023027.437	0	RS-700	0.18935396226
5292	-122.362	37.718	2043.727	2089257.916	6023027.389	0	RS-700	-0.65580798742
5293	-122.362	37.718	2253.582	2089259.738	6023027.368	0	RS-700	0.66404037736
5294	-122.362	37.718	2172.673	2089261.561	6023027.230	0	RS-700	0.15517389937
5295	-122.362	37.718	2263.037	2089263.167	6023027.060	0	RS-700	0.72350377359
5296	-122.362	37.718	2254.056	2089263.495	6023027.037	0	RS-700	0.66701761006
5297	-122.362	37.718	2122.542	2089262.615	6023027.338	0	RS-700	-0.16011050315
5298	-122.362	37.718	2128.873	2089261.510	6023027.981	0	RS-700	-0.12029704403
5299	-122.362	37.718	2119.647	2089260.172	6023029.314	0	RS-700	-0.17832232704
5300	-122.362	37.718	2187.787	2089258.898	6023031.112	0	RS-700	0.25023484277
5301	-122.362	37.718	2232.914	2089257.876	6023033.059	0	RS-700	0.53404836478
5302	-122.362	37.718	2216.020	2089256.855	6023034.977	0	RS-700	0.42779698113
5303	-122.362	37.718	2192.224	2089255.729	6023036.661	0	RS-700	0.27813968554
5304	-122.362	37.718	2283.708	2089254.494	6023038.314	0	RS-700	0.85351088050
5305	-122.362	37.718	2180.108	2089253.257	6023040.055	0	RS-700	0.20193616352
5306	-122.362	37.718	2159.452	2089252.094	6023041.796	0	RS-700	0.07202742138
5307	-122.362	37.718	2226.036	2089250.931	6023043.509	0	RS-700	0.49079402516
5308	-122.362	37.718	2187.911	2089249.695	6023045.191	0	RS-700	0.25100974843
5309	-122.362	37.718	2165.669	2089248.424	6023046.873	0	RS-700	0.11112358491

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5310	-122.362	37.718	2217.686	2089247.187	6023048.642	0	RS-700	0.43827503145
5311	-122.362	37.718	2203.894	2089246.022	6023050.412	0	RS-700	0.35153710692
5312	-122.362	37.718	2153.882	2089244.785	6023052.210	0	RS-700	0.03699245283
5313	-122.362	37.718	2058.153	2089243.549	6023053.921	0	RS-700	-0.56507622642
5314	-122.362	37.718	2179.455	2089242.316	6023055.459	0	RS-700	0.19783220126
5315	-122.362	37.718	2138.974	2089241.194	6023056.941	0	RS-700	-0.05676937107
5316	-122.362	37.718	2149.349	2089240.109	6023058.395	0	RS-700	0.00848628931
5317	-122.362	37.718	2240.467	2089238.986	6023059.935	0	RS-700	0.58155345912
5318	-122.362	37.718	2155.450	2089238.051	6023061.189	0	RS-700	0.04685672956
5319	-122.362	37.718	2271.429	2089237.224	6023062.446	0	RS-700	0.77628465409
5320	-122.362	37.718	2181.779	2089236.178	6023063.784	0	RS-700	0.21244735849
5321	-122.362	37.718	2220.692	2089234.979	6023065.467	0	RS-700	0.45718106918
5322	-122.362	37.718	2191.224	2089233.634	6023067.177	0	RS-700	0.27184918239
5323	-122.362	37.718	2198.353	2089232.177	6023068.999	0	RS-700	0.31668364780
5324	-122.362	37.718	2232.585	2089230.721	6023070.822	0	RS-700	0.53197962264
5325	-122.362	37.718	2161.096	2089229.414	6023072.416	0	RS-700	0.08236547170
5326	-122.362	37.718	2319.410	2089228.296	6023073.724	0	RS-700	1.07805157233
5327	-122.362	37.718	2330.185	2089227.066	6023075.146	0	RS-700	1.14581918239
5328	-122.362	37.718	2412.108	2089225.908	6023076.599	0	RS-700	1.66105691824
5329	-122.362	37.718	2363.191	2089224.859	6023078.082	0	RS-700	1.35339962264
5330	-122.362	37.718	2389.220	2089223.810	6023079.537	0	RS-700	1.51710641509
5331	-122.362	37.718	2434.999	2089222.501	6023081.246	0	RS-700	1.80502698113
5332	-122.362	37.718	2304.368	2089221.191	6023083.043	0	RS-700	0.98344352201
5333	-122.362	37.718	2360.731	2089219.772	6023084.808	0	RS-700	1.33792893082
5334	-122.362	37.718	2291.709	2089218.243	6023086.572	0	RS-700	0.90383062893
5335	-122.362	37.718	2331.591	2089216.680	6023088.276	0	RS-700	1.15465817610
5336	-122.362	37.718	2343.075	2089215.229	6023089.839	0	RS-700	1.22688710692
5337	-122.362	37.718	2528.286	2089213.922	6023091.433	0	RS-700	2.39173358491
5338	-122.362	37.718	2398.978	2089212.614	6023093.113	0	RS-700	1.57847553459
5339	-122.362	37.718	2363.439	2089211.381	6023094.680	0	RS-700	1.35496528302
5340	-122.362	37.718	2350.211	2089210.146	6023096.333	0	RS-700	1.27176729560
5341	-122.362	37.718	2482.251	2089208.768	6023097.868	0	RS-700	2.10221000000
5342	-122.362	37.718	2322.185	2089207.391	6023099.374	0	RS-700	1.09550088050
5343	-122.362	37.718	2339.959	2089206.010	6023101.054	0	RS-700	1.20729132075
5344	-122.362	37.718	2389.101	2089204.739	6023102.706	0	RS-700	1.51635880503
5345	-122.362	37.718	2181.464	2089203.502	6023104.475	0	RS-700	0.21046490566
5346	-122.362	37.718	2233.582	2089202.228	6023106.244	0	RS-700	0.53825220126
5347	-122.362	37.718	2336.839	2089201.031	6023107.840	0	RS-700	1.18766635220
5348	-122.362	37.718	2261.174	2089200.018	6023109.353	0	RS-700	0.71178459120
5349	-122.362	37.718	2295.365	2089199.189	6023110.725	0	RS-700	0.92682603774
5350	-122.362	37.718	2182.771	2089198.247	6023112.326	0	RS-700	0.21868339623
5351	-122.362	37.718	2244.357	2089197.046	6023114.096	0	RS-700	0.60601610063
5352	-122.362	37.718	2303.712	2089195.659	6023116.094	0	RS-700	0.97931792453
5353	-122.362	37.718	2240.804	2089194.126	6023118.088	0	RS-700	0.58367553459
5354	-122.362	37.718	2288.936	2089192.450	6023119.964	0	RS-700	0.88639012579

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5355	-122.362	37.718	2245.355	2089190.707	6023121.521	0	RS-700	0.61229861635
5356	-122.362	37.718	2181.221	2089188.644	6023122.724	0	RS-700	0.20893528302
5357	-122.362	37.718	2190.115	2089186.511	6023123.752	0	RS-700	0.26487628931
5358	-122.362	37.718	2299.599	2089184.347	6023124.519	0	RS-700	0.95345415094
5359	-122.362	37.718	2277.044	2089182.406	6023125.088	0	RS-700	0.81159911950
5360	-122.362	37.718	2135.678	2089180.862	6023125.780	0	RS-700	-0.07749654088
5361	-122.362	37.718	1723.016	2089179.495	6023126.766	0	RS-700	-2.67285383648
5362	-122.362	37.718	2067.746	2089178.115	6023128.387	0	RS-700	-0.50474264151
5363	-122.362	37.718	2268.698	2089177.055	6023130.420	0	RS-700	0.75910484277
5364	-122.362	37.718	2157.657	2089176.466	6023132.578	0	RS-700	0.06073635220
5365	-122.362	37.718	2248.806	2089176.241	6023134.714	0	RS-700	0.63399792453
5366	-122.362	37.718	2235.460	2089176.019	6023136.735	0	RS-700	0.55006000000
5367	-122.362	37.718	2207.341	2089175.800	6023138.582	0	RS-700	0.37321584906
5368	-122.362	37.718	2200.122	2089175.440	6023140.224	0	RS-700	0.32780830189
5369	-122.362	37.718	2149.760	2089174.969	6023141.922	0	RS-700	0.01107194969
5370	-122.362	37.718	2177.456	2089174.128	6023143.901	0	RS-700	0.18525503145
5371	-122.362	37.718	2188.916	2089173.141	6023145.907	0	RS-700	0.25733213837
5372	-122.362	37.718	2207.570	2089172.197	6023147.624	0	RS-700	0.37465610063
5373	-122.362	37.718	2121.102	2089171.108	6023149.280	0	RS-700	-0.16917283019
5374	-122.362	37.718	2205.129	2089169.800	6023150.932	0	RS-700	0.35930440252
5375	-122.362	37.718	2229.242	2089168.457	6023152.554	0	RS-700	0.51095635220
5376	-122.362	37.718	2192.003	2089167.076	6023154.205	0	RS-700	0.27674679245
5377	-122.362	37.718	2161.534	2089165.657	6023155.970	0	RS-700	0.08512182390
5378	-122.362	37.718	2215.686	2089164.425	6023157.508	0	RS-700	0.42569647799
5379	-122.362	37.718	2209.698	2089163.116	6023159.246	0	RS-700	0.38803729560
5380	-122.362	37.718	2204.791	2089161.768	6023161.071	0	RS-700	0.35717427673
5381	-122.362	37.718	2248.244	2089160.310	6023162.980	0	RS-700	0.63046358491
5382	-122.362	37.718	2253.923	2089158.779	6023164.859	0	RS-700	0.66618257862
5383	-122.362	37.718	2382.976	2089157.504	6023166.714	0	RS-700	1.47783371069
5384	-122.362	37.718	2313.835	2089156.125	6023168.336	0	RS-700	1.04298660377
5385	-122.362	37.718	2225.468	2089154.819	6023169.901	0	RS-700	0.48722157233
5386	-122.362	37.718	2296.828	2089153.696	6023171.441	0	RS-700	0.93602364780
5387	-122.362	37.718	2279.161	2089152.609	6023172.953	0	RS-700	0.82491238994
5388	-122.362	37.718	2290.937	2089151.409	6023174.694	0	RS-700	0.89897257862
5389	-122.362	37.718	2310.591	2089149.983	6023176.806	0	RS-700	1.02258515723
5390	-122.362	37.718	2271.160	2089148.630	6023178.949	0	RS-700	0.77459012579
5391	-122.362	37.718	2249.690	2089147.279	6023180.918	0	RS-700	0.63955930818
5392	-122.362	37.718	2218.810	2089145.891	6023182.945	0	RS-700	0.44534572327
5393	-122.362	37.718	2307.364	2089144.468	6023184.913	0	RS-700	1.00228679245
5394	-122.362	37.718	2210.896	2089143.193	6023186.797	0	RS-700	0.39557100629
5395	-122.362	37.718	2213.916	2089141.844	6023188.679	0	RS-700	0.41456383648
5396	-122.362	37.718	2138.766	2089140.493	6023190.677	0	RS-700	-0.05807276730
5397	-122.362	37.718	2212.354	2089139.031	6023192.789	0	RS-700	0.40474062893
5398	-122.362	37.718	2207.016	2089137.643	6023194.844	0	RS-700	0.37116792453
5399	-122.362	37.718	2329.373	2089136.217	6023196.957	0	RS-700	1.14071333333

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5400	-122.362	37.718	2246.921	2089134.794	6023198.896	0	RS-700	0.62214150943
5401	-122.362	37.718	2198.567	2089133.157	6023200.628	0	RS-700	0.31802943396
5402	-122.362	37.718	2226.690	2089131.412	6023202.300	0	RS-700	0.49490339623
5403	-122.362	37.718	2173.780	2089129.558	6023203.970	0	RS-700	0.16214119497
5404	-122.362	37.718	2193.903	2089127.741	6023205.612	0	RS-700	0.28869666667
5405	-122.362	37.718	2144.314	2089126.285	6023207.406	0	RS-700	-0.02318389937
5406	-122.362	37.718	2034.441	2089124.828	6023209.257	0	RS-700	-0.71420503145
5407	-122.362	37.718	2151.095	2089123.221	6023211.279	0	RS-700	0.01946534591
5408	-122.362	37.718	2172.673	2089121.688	6023213.303	0	RS-700	0.15517817610
5409	-122.362	37.718	2218.802	2089120.120	6023215.239	0	RS-700	0.44529264151
5410	-122.362	37.718	2199.570	2089118.663	6023217.090	0	RS-700	0.32433830189
5411	-122.362	37.718	2196.968	2089117.242	6023218.942	0	RS-700	0.30797761006
5412	-122.362	37.718	2282.050	2089115.782	6023220.910	0	RS-700	0.84308238994
5413	-122.362	37.718	2158.670	2089114.247	6023223.049	0	RS-700	0.06710628931
5414	-122.362	37.718	2185.677	2089112.749	6023225.131	0	RS-700	0.23696421384
5415	-122.362	37.718	2051.042	2089111.476	6023226.841	0	RS-700	-0.60979635220
5416	-122.362	37.718	2233.582	2089110.244	6023228.350	0	RS-700	0.11021041056
5417	-122.362	37.718	2313.610	2089109.047	6023229.975	0	RS-700	0.34489659824
5418	-122.362	37.718	2569.321	2089108.032	6023231.546	0	RS-700	1.09478375367
5419	-122.362	37.718	2487.644	2089106.901	6023233.491	0	RS-700	0.85526123167
5420	-122.362	37.718	2039.221	2089105.664	6023235.231	0	RS-700	-0.45976234604
5421	-122.362	37.718	1623.587	2089104.435	6023236.624	0	RS-700	-1.67863108504
5422	-122.362	37.718	1983.618	2089102.947	6023238.186	0	RS-700	-0.62282052786
5423	-122.362	37.718	2564.050	2089101.127	6023239.972	0	RS-700	1.07932504399
5424	-122.362	37.718	2376.450	2089099.188	6023242.248	0	RS-700	0.52917818182
5425	-122.362	37.718	2241.467	2089096.991	6023244.663	0	RS-700	0.58784459120
5426	-122.362	37.718	2183.983	2089095.088	6023246.940	0	RS-700	0.22631094340
5427	-122.362	37.718	2139.887	2089093.597	6023248.704	0	RS-700	-0.05102641509
5428	-122.362	37.718	2130.173	2089092.138	6023250.613	0	RS-700	-0.11211735849
5429	-122.362	37.718	2198.013	2089090.530	6023252.751	0	RS-700	0.31454817610
5430	-122.362	37.718	2224.579	2089088.957	6023254.919	0	RS-700	0.48162628931
5431	-122.362	37.718	2094.070	2089087.419	6023257.173	0	RS-700	-0.33918182390
5432	-122.362	37.718	2111.863	2089085.808	6023259.456	0	RS-700	-0.22727553459
5433	-122.362	37.718	2107.330	2089084.304	6023261.798	0	RS-700	-0.25578503145
5434	-122.362	37.718	2195.113	2089082.763	6023264.198	0	RS-700	0.29631025157
5435	-122.362	37.718	2087.753	2089081.118	6023266.364	0	RS-700	-0.37891308176
5436	-122.362	37.718	2098.271	2089079.585	6023268.358	0	RS-700	-0.31276044025
5437	-122.362	37.718	2077.751	2089078.166	6023270.124	0	RS-700	-0.44181666667
5438	-122.362	37.718	1906.591	2089076.861	6023271.631	0	RS-700	-1.51829647799
5439	-122.361	37.718	1190.189	2089075.630	6023273.111	0	RS-700	-6.02396861635
5440	-122.361	37.717	921.144	2089074.322	6023274.763	0	RS-700	-7.71607320755
5441	-122.361	37.717	1373.555	2089072.792	6023276.642	0	RS-700	-4.87072144654
5442	-122.361	37.717	1917.589	2089071.198	6023278.057	0	RS-700	-1.44912647799
5443	-122.361	37.717	2007.729	2089069.653	6023278.836	0	RS-700	-0.88220886793
5444	-122.361	37.717	2182.985	2089068.149	6023279.356	0	RS-700	0.22002855346



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5445	-122.361	37.717	2006.925	2089066.714	6023280.108	0	RS-700	-0.88726301887
5446	-122.361	37.717	1740.602	2089065.380	6023281.239	0	RS-700	-2.56225088050
5447	-122.361	37.717	1516.408	2089064.293	6023282.779	0	RS-700	-3.97227867925
5448	-122.361	37.717	1684.541	2089063.565	6023284.588	0	RS-700	-2.91483610063
5449	-122.361	37.717	2064.838	2089063.129	6023286.373	0	RS-700	-0.52303301887
5450	-122.361	37.717	2122.659	2089062.696	6023288.013	0	RS-700	-0.15937798742
5451	-122.361	37.717	2210.572	2089062.189	6023289.681	0	RS-700	0.39353729560
5452	-122.361	37.717	2178.011	2089061.501	6023291.316	0	RS-700	0.18875094340
5453	-122.361	37.717	2218.907	2089060.517	6023293.206	0	RS-700	0.44595773585
5454	-122.361	37.717	2198.572	2089059.459	6023295.123	0	RS-700	0.31806056604
5455	-122.361	37.717	2049.627	2089058.327	6023297.097	0	RS-700	-0.61869710692
5456	-122.361	37.717	2072.160	2089056.902	6023299.181	0	RS-700	-0.47698396226
5457	-122.361	37.717	2104.962	2089055.367	6023301.291	0	RS-700	-0.27067805031
5458	-122.361	37.717	2160.774	2089053.869	6023303.344	0	RS-700	0.08033949686
5459	-122.361	37.717	2111.653	2089052.300	6023305.309	0	RS-700	-0.22859742138
5460	-122.361	37.717	2079.541	2089050.842	6023307.218	0	RS-700	-0.43055905660
5461	-122.361	37.717	2031.940	2089049.349	6023309.040	0	RS-700	-0.72994025157
5462	-122.361	37.717	2174.784	2089047.823	6023310.717	0	RS-700	0.16845314465
5463	-122.361	37.717	2049.241	2089046.371	6023312.308	0	RS-700	-0.62112339623
5464	-122.361	37.717	1990.720	2089044.884	6023313.812	0	RS-700	-0.98918528302
5465	-122.361	37.717	2115.752	2089043.361	6023315.286	0	RS-700	-0.20281641509
5466	-122.361	37.717	2033.815	2089042.021	6023316.763	0	RS-700	-0.71814396226
5467	-122.361	37.717	2110.439	2089040.972	6023318.247	0	RS-700	-0.23623050315
5468	-122.361	37.717	2046.633	2089039.808	6023319.989	0	RS-700	-0.63753132076
5469	-122.361	37.717	2045.949	2089038.569	6023321.844	0	RS-700	-0.64183207547
5470	-122.361	37.717	2120.454	2089037.329	6023323.787	0	RS-700	-0.17324308176
5471	-122.361	37.717	2032.031	2089036.054	6023325.613	0	RS-700	-0.72936610063
5472	-122.361	37.717	2060.058	2089034.596	6023327.494	0	RS-700	-0.55309314465
5473	-122.361	37.717	1986.016	2089033.101	6023329.460	0	RS-700	-1.01876930818
5474	-122.361	37.717	2139.874	2089031.608	6023331.282	0	RS-700	-0.05110654088
5475	-122.361	37.717	2096.858	2089029.934	6023333.013	0	RS-700	-0.32164559748
5476	-122.361	37.717	2061.856	2089028.188	6023334.772	0	RS-700	-0.54178452830
5477	-122.361	37.717	2091.274	2089026.657	6023336.651	0	RS-700	-0.35676566038
5478	-122.361	37.717	2076.435	2089025.126	6023338.559	0	RS-700	-0.45009471698
5479	-122.361	37.717	2084.846	2089023.707	6023340.324	0	RS-700	-0.39719540881
5480	-122.361	37.717	2138.987	2089022.254	6023341.945	0	RS-700	-0.05668289308
5481	-122.361	37.717	2124.883	2089020.765	6023343.593	0	RS-700	-0.14538716981
5482	-122.361	37.717	2124.445	2089019.307	6023345.473	0	RS-700	-0.14814654088
5483	-122.361	37.717	2090.865	2089017.884	6023347.441	0	RS-700	-0.35933779874
5484	-122.361	37.717	2106.652	2089016.570	6023349.411	0	RS-700	-0.26005094340
5485	-122.361	37.717	2176.785	2089015.258	6023351.295	0	RS-700	0.18103616352
5486	-122.361	37.717	2165.009	2089013.913	6023353.004	0	RS-700	0.10697484277
5487	-122.361	37.717	2220.040	2089012.644	6023354.570	0	RS-700	0.45308295598
5488	-122.361	37.717	2125.871	2089011.486	6023356.022	0	RS-700	-0.13917786164
5489	-122.361	37.717	2197.012	2089010.440	6023357.332	0	RS-700	0.30824918239

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5490	-122.361	37.717	2162.886	2089009.616	6023358.473	0	RS-700	0.09362509434
5491	-122.361	37.717	2084.537	2089008.308	6023360.154	0	RS-700	-0.39913540881
5492	-122.361	37.717	2143.777	2089006.993	6023362.182	0	RS-700	-0.02655666667
5493	-122.361	37.717	2102.544	2089005.746	6023364.471	0	RS-700	-0.28588654088
5494	-122.361	37.717	2079.641	2089004.463	6023366.673	0	RS-700	-0.42993088050
5495	-122.361	37.717	2068.745	2089003.261	6023368.559	0	RS-700	-0.49846006289
5496	-122.361	37.717	2119.188	2089002.136	6023370.157	0	RS-700	-0.18120924528
5497	-122.361	37.717	2115.181	2089001.049	6023371.726	0	RS-700	-0.20641018868
5498	-122.361	37.717	2107.862	2088999.851	6023373.351	0	RS-700	-0.25243779874
5499	-122.361	37.717	2127.768	2088998.697	6023374.630	0	RS-700	-0.12724257862
5500	-122.361	37.717	2152.777	2088997.354	6023376.224	0	RS-700	0.03004182390
5501	-122.361	37.717	2155.667	2088996.118	6023377.935	0	RS-700	0.04822081761
5502	-122.361	37.717	2087.645	2088994.921	6023379.531	0	RS-700	-0.37958880503
5503	-122.361	37.717	2126.659	2088993.768	6023380.752	0	RS-700	-0.13421962264
5504	-122.361	37.717	2149.664	2088992.421	6023382.519	0	RS-700	0.01046496855
5505	-122.361	37.717	2173.782	2088990.995	6023384.632	0	RS-700	0.16215163522
5506	-122.361	37.717	2138.210	2088989.497	6023386.743	0	RS-700	-0.06157018868
5507	-122.361	37.717	2123.757	2088988.105	6023388.943	0	RS-700	-0.15247377359
5508	-122.361	37.717	2178.888	2088986.651	6023390.649	0	RS-700	0.19426295598
5509	-122.361	37.717	2144.871	2088985.158	6023392.471	0	RS-700	-0.01967880503
5510	-122.361	37.717	2198.229	2088983.591	6023394.350	0	RS-700	0.31590289308
5511	-122.361	37.717	2130.339	2088982.097	6023396.229	0	RS-700	-0.11107679245
5512	-122.361	37.717	2143.875	2088980.749	6023398.083	0	RS-700	-0.02594415094
5513	-122.361	37.717	2082.644	2088979.365	6023399.907	0	RS-700	-0.41104572327
5514	-122.361	37.717	2164.096	2088977.872	6023401.729	0	RS-700	0.10123081761
5515	-122.361	37.717	2118.436	2088976.193	6023403.749	0	RS-700	-0.18593930818
5516	-122.361	37.717	2122.190	2088974.478	6023405.769	0	RS-700	-0.16232905660
5517	-122.361	37.717	2067.047	2088972.797	6023407.877	0	RS-700	-0.50913710692
5518	-122.361	37.717	2123.194	2088971.154	6023409.898	0	RS-700	-0.15601503145
5519	-122.361	37.717	2233.134	2088969.625	6023411.719	0	RS-700	0.53543553459
5520	-122.361	37.717	2073.549	2088968.021	6023413.655	0	RS-700	-0.46824779874
5521	-122.361	37.717	1593.489	2088966.676	6023415.364	0	RS-700	-3.48749238994
5522	-122.361	37.717	907.098	2088965.329	6023417.131	0	RS-700	-7.80441427673
5523	-122.361	37.717	1236.321	2088963.795	6023419.212	0	RS-700	-5.73382880503
5524	-122.361	37.717	1974.509	2088962.185	6023421.408	0	RS-700	-1.09113735849
5525	-122.361	37.717	2087.061	2088960.615	6023423.459	0	RS-700	-0.38326201258
5526	-122.361	37.717	1669.406	2088959.268	6023425.226	0	RS-700	-3.01002320755
5527	-122.361	37.717	1541.497	2088957.667	6023426.988	0	RS-700	-3.81448597484
5528	-122.361	37.717	1846.658	2088956.319	6023428.871	0	RS-700	-1.89523371069
5529	-122.361	37.717	2160.669	2088954.903	6023430.492	0	RS-700	0.07968144654
5530	-122.361	37.717	2213.590	2088953.519	6023432.316	0	RS-700	0.41251603774
5531	-122.361	37.717	2163.780	2088952.025	6023434.166	0	RS-700	0.09924283019
5532	-122.361	37.717	2187.115	2088950.573	6023435.786	0	RS-700	0.24600515723
5533	-122.361	37.717	2277.267	2088949.117	6023437.580	0	RS-700	0.81299962264
5534	-122.361	37.717	2128.768	2088947.692	6023439.635	0	RS-700	-0.12095867925

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5535	-122.361	37.717	2076.951	2088946.265	6023441.805	0	RS-700	-0.44684905660
5536	-122.361	37.717	2105.860	2088944.838	6023443.947	0	RS-700	-0.26502924528
5537	-122.361	37.717	2107.964	2088943.348	6023445.624	0	RS-700	-0.25179748428
5538	-122.361	37.717	2216.800	2088941.861	6023447.156	0	RS-700	0.43270679245
5539	-122.361	37.717	2053.527	2088940.335	6023448.804	0	RS-700	-0.59416748428
5540	-122.361	37.717	2163.777	2088938.841	6023450.684	0	RS-700	0.09922622642
5541	-122.361	37.717	2184.674	2088937.311	6023452.534	0	RS-700	0.23065710692
5542	-122.361	37.717	2198.569	2088935.998	6023454.446	0	RS-700	0.31804597484
5543	-122.361	37.717	2150.669	2088934.651	6023456.242	0	RS-700	0.01678805031
5544	-122.361	37.717	2218.912	2088933.412	6023458.156	0	RS-700	0.44598553459
5545	-122.361	37.717	2220.909	2088932.173	6023459.982	0	RS-700	0.45854861635
5546	-122.361	37.717	2239.580	2088930.790	6023461.806	0	RS-700	0.57597528302
5547	-122.361	37.717	2211.356	2088929.628	6023463.461	0	RS-700	0.39846578616
5548	-122.361	37.717	2177.109	2088928.164	6023465.660	0	RS-700	0.18307452830
5549	-122.361	37.717	2128.875	2088926.667	6023467.655	0	RS-700	-0.12028106918
5550	-122.361	37.717	2261.922	2088925.134	6023469.650	0	RS-700	0.71649132076
5551	-122.361	37.717	2219.352	2088923.721	6023471.126	0	RS-700	0.44875289308
5552	-122.361	37.717	2211.578	2088922.266	6023472.891	0	RS-700	0.39986056604
5553	-122.361	37.717	2233.809	2088920.809	6023474.742	0	RS-700	0.53967616352
5554	-122.361	37.717	2256.265	2088919.197	6023477.025	0	RS-700	0.68090968554
5555	-122.361	37.717	2079.751	2088917.590	6023479.076	0	RS-700	-0.42924213837
5556	-122.361	37.717	2161.881	2088915.986	6023481.011	0	RS-700	0.08729893082
5557	-122.361	37.717	2212.352	2088914.677	6023482.721	0	RS-700	0.40472861635
5558	-122.361	37.717	2131.992	2088913.489	6023483.883	0	RS-700	-0.10068106918
5559	-122.361	37.717	2147.556	2088912.179	6023485.651	0	RS-700	-0.00279320755
5560	-122.361	37.717	2180.783	2088910.758	6023487.532	0	RS-700	0.20618201258
5561	-122.361	37.717	2170.447	2088909.557	6023489.302	0	RS-700	0.14117861635
5562	-122.361	37.717	2174.896	2088908.210	6023491.127	0	RS-700	0.16915427673
5563	-122.361	37.717	2252.257	2088906.750	6023493.123	0	RS-700	0.65570358491
5564	-122.361	37.717	2187.678	2088905.359	6023495.294	0	RS-700	0.24954911950
5565	-122.361	37.717	2190.121	2088904.187	6023497.440	0	RS-700	0.26491094340
5566	-122.361	37.717	2246.474	2088902.873	6023499.411	0	RS-700	0.61933125786
5567	-122.361	37.717	2423.381	2088901.743	6023501.326	0	RS-700	1.73195867925
5568	-122.361	37.717	2253.700	2088900.395	6023503.151	0	RS-700	0.66478264151
5569	-122.361	37.717	2131.660	2088899.199	6023504.690	0	RS-700	-0.10276572327
5570	-122.361	37.717	2268.039	2088898.342	6023505.685	0	RS-700	0.75496207547
5571	-122.361	37.717	2254.596	2088897.411	6023506.708	0	RS-700	0.67041566038
5572	-122.361	37.717	2258.257	2088896.180	6023508.159	0	RS-700	0.69344157233
5573	-122.361	37.717	2181.566	2088894.911	6023509.725	0	RS-700	0.21110496855
5574	-122.361	37.717	2182.875	2088893.567	6023511.376	0	RS-700	0.21933924528
5575	-122.361	37.717	2179.005	2088892.371	6023512.915	0	RS-700	0.19499710692
5576	-122.361	37.717	2124.647	2088890.991	6023514.565	0	RS-700	-0.14687371069
5577	-122.361	37.717	2040.527	2088889.574	6023516.215	0	RS-700	-0.67593327044
5578	-122.361	37.717	2153.775	2088888.193	6023517.894	0	RS-700	0.03631899371
5579	-122.361	37.717	2120.867	2088887.073	6023519.261	0	RS-700	-0.17064830189

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5580	-122.361	37.717	2136.670	2088886.812	6023519.603	0	RS-700	-0.07125849057
5581	-122.361	37.717	1806.559	2088886.250	6023520.373	0	RS-700	-2.14742767296
5582	-122.361	37.717	2034.933	2088884.869	6023522.081	0	RS-700	-0.71111377359
5583	-122.361	37.717	2070.832	2088883.599	6023523.676	0	RS-700	-0.48533396226
5584	-122.361	37.717	1948.606	2088881.738	6023525.693	0	RS-700	-1.25404886792
5585	-122.361	37.717	2042.418	2088880.179	6023527.166	0	RS-700	-0.66403559748
5586	-122.361	37.717	2009.330	2088878.761	6023528.845	0	RS-700	-0.87213654088
5587	-122.361	37.717	2036.146	2088877.639	6023530.327	0	RS-700	-0.70348704403
5588	-122.361	37.717	2029.728	2088876.483	6023531.693	0	RS-700	-0.74385132076
5589	-122.361	37.717	2123.553	2088875.324	6023533.232	0	RS-700	-0.15375767296
5590	-122.361	37.717	2071.433	2088874.016	6023534.884	0	RS-700	-0.48155440252
5591	-122.361	37.717	2059.031	2088872.528	6023536.446	0	RS-700	-0.55955352201
5592	-122.361	37.717	2148.659	2088871.226	6023537.837	0	RS-700	0.00414540881
5593	-122.361	37.717	2029.833	2088869.994	6023539.346	0	RS-700	-0.74319119497
5594	-122.361	37.717	2046.635	2088868.759	6023541.000	0	RS-700	-0.63751691824
5595	-122.361	37.717	1992.314	2088867.487	6023542.710	0	RS-700	-0.97915477987
5596	-122.361	37.717	2026.135	2088866.362	6023544.366	0	RS-700	-0.76644421384
5597	-122.361	37.717	2095.070	2088865.422	6023545.851	0	RS-700	-0.33289339623
5598	-122.361	37.717	2142.306	2088864.445	6023547.336	0	RS-700	-0.03581402516
5599	-122.361	37.717	2153.886	2088863.284	6023548.962	0	RS-700	0.03701924528
5600	-122.361	37.717	2081.644	2088861.826	6023550.843	0	RS-700	-0.41733213837
5601	-122.361	37.717	2040.630	2088860.367	6023552.781	0	RS-700	-0.67528465409
5602	-122.361	37.717	1444.593	2088859.018	6023554.721	0	RS-700	-4.42394547170
5603	-122.361	37.717	868.092	2088857.743	6023556.577	0	RS-700	-8.04973616352
5604	-122.360	37.717	1029.213	2088856.648	6023558.522	0	RS-700	-7.03639905660
5605	-122.360	37.717	1801.009	2088855.664	6023560.354	0	RS-700	-2.18233547170
5606	-122.360	37.717	2094.232	2088854.868	6023561.958	0	RS-700	-0.33816616352
5607	-122.360	37.717	2095.968	2088854.225	6023563.132	0	RS-700	-0.32724377359
5608	-122.360	37.717	2086.064	2088853.623	6023564.132	0	RS-700	-0.38953729560
5609	-122.360	37.717	1942.600	2088853.133	6023564.933	0	RS-700	-1.29182232704
5610	-122.360	37.717	1619.661	2088852.080	6023566.619	0	RS-700	-3.32288679245
5611	-122.360	37.717	1572.781	2088851.486	6023567.185	0	RS-700	-3.61773201258
5612	-122.360	37.717	1548.264	2088850.445	6023568.264	0	RS-700	-3.77192666667
5613	-122.360	37.717	1991.656	2088849.329	6023569.428	0	RS-700	-0.98329559748
5614	-122.360	37.717	2056.836	2088847.915	6023570.933	0	RS-700	-0.57335949686
5615	-122.360	37.717	2207.457	2088846.573	6023572.498	0	RS-700	0.37394176101
5616	-122.360	37.717	2135.976	2088845.379	6023573.920	0	RS-700	-0.07562578616
5617	-122.360	37.717	2128.666	2088844.258	6023575.374	0	RS-700	-0.12159654088
5618	-122.360	37.717	2145.651	2088843.174	6023576.770	0	RS-700	-0.01477125786
5619	-122.360	37.717	2162.001	2088842.053	6023578.194	0	RS-700	0.08805716981
5620	-122.360	37.717	2059.844	2088840.896	6023579.588	0	RS-700	-0.55444182390
5621	-122.360	37.717	2102.758	2088839.663	6023581.184	0	RS-700	-0.28453962264
5622	-122.360	37.717	2124.658	2088838.320	6023582.806	0	RS-700	-0.14680761006
5623	-122.360	37.717	2095.836	2088837.084	6023584.518	0	RS-700	-0.32807836478
5624	-122.360	37.717	2148.881	2088835.810	6023586.315	0	RS-700	0.00554182390

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5625	-122.360	37.717	2084.168	2088834.458	6023588.342	0	RS-700	-0.40145855346
5626	-122.360	37.717	2097.545	2088833.107	6023590.369	0	RS-700	-0.31732723270
5627	-122.360	37.717	2100.972	2088831.867	6023592.312	0	RS-700	-0.29577264151
5628	-122.360	37.717	2084.748	2088830.705	6023593.967	0	RS-700	-0.39781339623
5629	-122.360	37.717	2071.742	2088829.508	6023595.534	0	RS-700	-0.47960867925
5630	-122.360	37.717	2046.043	2088828.275	6023597.101	0	RS-700	-0.64123899371
5631	-122.360	37.717	2009.726	2088827.004	6023598.754	0	RS-700	-0.86964591195
5632	-122.360	37.717	2023.820	2088825.546	6023600.663	0	RS-700	-0.78100522013
5633	-122.360	37.717	2012.813	2088824.095	6023602.196	0	RS-700	-0.85023125786
5634	-122.360	37.717	2021.537	2088822.784	6023604.022	0	RS-700	-0.79536452830
5635	-122.360	37.717	1996.923	2088821.766	6023605.737	0	RS-700	-0.95016855346
5636	-122.360	37.717	2057.153	2088820.674	6023607.567	0	RS-700	-0.57136547170
5637	-122.360	37.717	2121.765	2088819.579	6023609.513	0	RS-700	-0.16500056604
5638	-122.360	37.717	1976.799	2088818.227	6023611.598	0	RS-700	-1.07673861635
5639	-122.360	37.717	2154.668	2088816.731	6023613.564	0	RS-700	0.04193886792
5640	-122.360	37.717	2014.040	2088815.128	6023615.413	0	RS-700	-0.84251389937
5641	-122.360	37.717	2076.758	2088813.492	6023617.116	0	RS-700	-0.44806295598
5642	-122.360	37.717	2003.617	2088811.855	6023618.848	0	RS-700	-0.90806880503
5643	-122.360	37.717	2076.742	2088810.401	6023620.526	0	RS-700	-0.44816547170
5644	-122.360	37.717	2073.643	2088809.021	6023622.177	0	RS-700	-0.46765547170
5645	-122.360	37.717	1985.012	2088807.676	6023623.857	0	RS-700	-1.02508364780
5646	-122.360	37.717	2007.830	2088806.223	6023625.535	0	RS-700	-0.88157251572
5647	-122.360	37.717	2006.808	2088804.770	6023627.155	0	RS-700	-0.88799987421
5648	-122.360	37.717	2089.857	2088803.283	6023628.659	0	RS-700	-0.36568138365
5649	-122.360	37.717	2144.091	2088801.830	6023630.308	0	RS-700	-0.02458572327
5650	-122.360	37.717	2142.522	2088800.556	6023632.134	0	RS-700	-0.03445572327
5651	-122.360	37.717	1999.609	2088799.286	6023633.700	0	RS-700	-0.93327389937
5652	-122.360	37.717	2079.957	2088798.089	6023635.325	0	RS-700	-0.42794364780
5653	-122.360	37.717	2074.057	2088796.703	6023637.236	0	RS-700	-0.46505345912
5654	-122.360	37.717	2120.657	2088795.246	6023639.088	0	RS-700	-0.17196761006
5655	-122.360	37.717	2074.641	2088793.788	6023640.968	0	RS-700	-0.46137968554
5656	-122.360	37.717	2048.943	2088792.439	6023642.909	0	RS-700	-0.62300088050
5657	-122.360	37.717	2095.648	2088791.086	6023644.994	0	RS-700	-0.32925761006
5658	-122.360	37.717	2025.720	2088789.549	6023647.191	0	RS-700	-0.76905830189
5659	-122.360	37.717	2032.944	2088787.982	6023649.098	0	RS-700	-0.72362050315
5660	-122.360	37.717	2036.947	2088786.488	6023650.949	0	RS-700	-0.69844440252
5661	-122.360	37.717	1981.108	2088785.070	6023652.685	0	RS-700	-1.04963666667
5662	-122.360	37.717	1983.416	2088783.649	6023654.538	0	RS-700	-1.03512245283
5663	-122.360	37.717	1986.022	2088782.154	6023656.475	0	RS-700	-1.01872874214
5664	-122.360	37.717	2052.540	2088780.695	6023658.413	0	RS-700	-0.60037974843
5665	-122.360	37.717	1984.206	2088779.348	6023660.209	0	RS-700	-1.03015251572
5666	-122.360	37.717	2047.544	2088778.080	6023661.717	0	RS-700	-0.63179691824
5667	-122.360	37.717	2102.073	2088777.179	6023663.088	0	RS-700	-0.28885075472
5668	-122.360	37.717	2025.817	2088776.806	6023663.515	0	RS-700	-0.76844654088
5669	-122.360	37.717	2087.175	2088776.955	6023663.344	0	RS-700	-0.38254698113

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5670	-122.360	37.717	2057.858	2088777.029	6023663.259	0	RS-700	-0.56693283019
5671	-122.360	37.717	2059.529	2088777.029	6023663.259	0	RS-700	-0.55641930818
5672	-122.360	37.717	1982.415	2088777.029	6023663.259	0	RS-700	-1.04141465409
5673	-122.360	37.717	2000.721	2088777.029	6023663.259	0	RS-700	-0.92628182390
5674	-122.360	37.717	2058.360	2088777.029	6023663.259	0	RS-700	-0.56377176101
5675	-122.360	37.717	2087.437	2088777.029	6023663.259	0	RS-700	-0.38090088050
5676	-122.360	37.717	2092.539	2088777.029	6023663.259	0	RS-700	-0.34881150943
5677	-122.360	37.717	2022.930	2088777.029	6023663.259	0	RS-700	-0.78660389937
5678	-122.360	37.717	2010.633	2088777.029	6023663.288	0	RS-700	-0.86394616352
5679	-122.360	37.717	1943.701	2088777.065	6023663.288	0	RS-700	-1.28489981132
5680	-122.360	37.717	2040.735	2088777.029	6023663.288	0	RS-700	-0.67462006289
5681	-122.360	37.717	2022.844	2088777.029	6023663.288	0	RS-700	-0.78714578616
5682	-122.360	37.717	2028.039	2088777.028	6023663.317	0	RS-700	-0.75447289308
5683	-122.360	37.717	2044.602	2088777.029	6023663.288	0	RS-700	-0.65030150943
5684	-122.360	37.717	2019.423	2088777.070	6023663.057	0	RS-700	-0.80866000000
5685	-122.360	37.717	2072.644	2088777.070	6023663.057	0	RS-700	-0.47393880503
5686	-122.360	37.717	2174.219	2088777.070	6023663.057	0	RS-700	0.16490025157
5687	-122.360	37.717	2003.310	2088777.070	6023663.028	0	RS-700	-0.90999817610
5688	-122.360	37.717	2014.826	2088777.070	6023663.057	0	RS-700	-0.83757459120
5689	-122.360	37.717	1990.915	2088777.070	6023663.057	0	RS-700	-0.98795672956
5690	-122.360	37.717	2023.729	2088777.070	6023663.057	0	RS-700	-0.78157685535
5691	-122.360	37.717	2077.847	2088777.107	6023663.029	0	RS-700	-0.44121433962
5692	-122.360	37.717	2067.847	2088777.106	6023663.087	0	RS-700	-0.50410490566
5693	-122.360	37.717	2032.322	2088777.106	6023663.087	0	RS-700	-0.72753163522
5694	-122.360	37.717	2094.430	2088777.106	6023663.058	0	RS-700	-0.33691830189
5695	-122.360	37.717	2062.638	2088777.106	6023663.058	0	RS-700	-0.53686691824
5696	-122.360	37.717	2100.648	2088777.106	6023663.058	0	RS-700	-0.29780855346
5697	-122.360	37.717	2093.651	2088777.070	6023663.057	0	RS-700	-0.34182044025
5698	-122.360	37.717	2114.862	2088777.070	6023663.057	0	RS-700	-0.20841798742
5699	-122.360	37.717	2003.622	2088777.106	6023663.058	0	RS-700	-0.90803823899
5700	-122.360	37.717	2069.370	2088777.106	6023663.058	0	RS-700	-0.49452654088
5701	-122.360	37.717	2057.251	2088777.106	6023663.058	0	RS-700	-0.57075062893
5702	-122.360	37.717	2055.635	2088777.106	6023663.058	0	RS-700	-0.58091352201
5703	-122.360	37.717	2029.927	2088777.106	6023663.058	0	RS-700	-0.74259628931
5704	-122.360	37.717	2067.950	2088777.106	6023663.058	0	RS-700	-0.50346169811
5705	-122.360	37.717	1961.604	2088777.106	6023663.058	0	RS-700	-1.17230182390
5706	-122.360	37.717	2024.426	2088777.106	6023663.058	0	RS-700	-0.77719314465
5707	-122.360	37.717	2040.528	2088777.106	6023663.058	0	RS-700	-0.67592509434
5708	-122.360	37.717	2042.348	2088777.106	6023663.058	0	RS-700	-0.66447534591
5709	-122.360	37.717	1950.803	2088777.106	6023663.058	0	RS-700	-1.24023031447
5710	-122.360	37.717	2047.938	2088777.143	6023663.030	0	RS-700	-0.62931962264
5711	-122.360	37.717	2066.846	2088777.107	6023663.029	0	RS-700	-0.51040069182
5712	-122.360	37.717	2051.327	2088777.107	6023663.029	0	RS-700	-0.60800610063
5713	-122.360	37.717	1969.991	2088777.107	6023663.029	0	RS-700	-1.11955264151
5714	-122.360	37.717	2004.221	2088777.143	6023663.030	0	RS-700	-0.90427276730

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5715	-122.360	37.717	2011.622	2088777.107	6023663.029	0	RS-700	-0.85772182390
5716	-122.360	37.717	2155.204	2088777.107	6023663.029	0	RS-700	0.04530528302
5717	-122.360	37.717	2110.498	2088777.107	6023663.029	0	RS-700	-0.23585962264
5718	-122.360	37.717	2041.837	2088777.107	6023663.029	0	RS-700	-0.66769018868
5719	-122.360	37.717	1954.801	2088777.107	6023663.029	0	RS-700	-1.21509062893
5720	-122.360	37.717	2054.947	2088777.107	6023663.029	0	RS-700	-0.58524188679
5721	-122.360	37.717	2106.537	2088777.107	6023663.029	0	RS-700	-0.26077132076
5722	-122.360	37.717	2044.734	2088777.070	6023663.028	0	RS-700	-0.64947201258
5723	-122.360	37.717	2006.420	2088777.070	6023663.028	0	RS-700	-0.89044301887
5724	-122.360	37.717	2095.649	2088777.070	6023663.028	0	RS-700	-0.32925081761
5725	-122.360	37.717	2100.648	2088777.070	6023663.028	0	RS-700	-0.29781119497
5726	-122.360	37.717	2099.741	2088777.070	6023663.028	0	RS-700	-0.30351647799
5727	-122.360	37.717	2023.726	2088777.070	6023663.028	0	RS-700	-0.78159754717
5728	-122.360	37.717	1986.420	2088777.070	6023663.028	0	RS-700	-1.01622459119
5729	-122.360	37.717	2047.835	2088777.070	6023663.057	0	RS-700	-0.62996691824
5730	-122.360	37.717	2105.175	2088777.070	6023663.057	0	RS-700	-0.26933729560
5731	-122.360	37.717	2105.277	2088777.070	6023663.057	0	RS-700	-0.26869572327
5732	-122.360	37.717	2015.233	2088777.070	6023663.057	0	RS-700	-0.83501000000
5733	-122.360	37.717	2117.444	2088777.070	6023663.057	0	RS-700	-0.19217861635
5734	-122.360	37.717	2073.750	2088777.033	6023663.056	0	RS-700	-0.46697874214
5735	-122.360	37.717	2011.723	2088777.070	6023663.057	0	RS-700	-0.85708987421
5736	-122.360	37.717	2046.839	2088777.033	6023663.056	0	RS-700	-0.63623150943
5737	-122.360	37.717	1988.415	2088777.070	6023663.057	0	RS-700	-1.00368226415
5738	-122.360	37.717	2001.820	2088777.033	6023663.085	0	RS-700	-0.91936805031
5739	-122.360	37.717	2067.535	2088777.033	6023663.085	0	RS-700	-0.50607000000
5740	-122.360	37.717	1986.917	2088777.032	6023663.114	0	RS-700	-1.01310031447
5741	-122.360	37.717	2031.730	2088777.033	6023663.085	0	RS-700	-0.73125748428
5742	-122.360	37.717	2021.727	2088777.032	6023663.114	0	RS-700	-0.79417018868
5743	-122.360	37.717	2036.732	2088777.032	6023663.114	0	RS-700	-0.69979716981
5744	-122.360	37.717	2038.626	2088777.032	6023663.143	0	RS-700	-0.68788408805
5745	-122.360	37.717	2027.828	2088777.068	6023663.144	0	RS-700	-0.75579962264
5746	-122.360	37.717	2114.973	2088777.032	6023663.143	0	RS-700	-0.20771654088
5747	-122.360	37.717	2085.276	2088777.032	6023663.143	0	RS-700	-0.39449358491
5748	-122.360	37.717	2069.635	2088777.032	6023663.143	0	RS-700	-0.49285880503
5749	-122.360	37.717	1980.910	2088777.068	6023663.144	0	RS-700	-1.05087905660
5750	-122.360	37.717	2038.446	2088777.032	6023663.143	0	RS-700	-0.68902069182
5751	-122.360	37.717	2016.917	2088777.068	6023663.144	0	RS-700	-0.82442364780
5752	-122.360	37.717	2006.908	2088777.031	6023663.172	0	RS-700	-0.88737182390
5753	-122.360	37.717	2140.384	2088777.068	6023663.173	0	RS-700	-0.04789836478
5754	-122.360	37.717	1975.107	2088777.032	6023663.143	0	RS-700	-1.08737528302
5755	-122.360	37.717	2042.244	2088777.032	6023663.143	0	RS-700	-0.66513176101
5756	-122.360	37.717	1970.916	2088777.031	6023663.172	0	RS-700	-1.11373276730
5757	-122.360	37.717	2048.325	2088776.995	6023663.142	0	RS-700	-0.62688515723
5758	-122.360	37.717	2015.628	2088776.995	6023663.142	0	RS-700	-0.83252786164
5759	-122.360	37.717	1976.810	2088776.995	6023663.142	0	RS-700	-1.07666603774

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5760	-122.360	37.717	1949.704	2088776.995	6023663.142	0	RS-700	-1.24714301887
5761	-122.360	37.717	2070.053	2088776.995	6023663.142	0	RS-700	-0.49023578616
5762	-122.360	37.717	1978.804	2088776.995	6023663.142	0	RS-700	-1.06412597484
5763	-122.360	37.717	2052.043	2088776.959	6023663.142	0	RS-700	-0.60350138365
5764	-122.360	37.717	2117.079	2088776.959	6023663.142	0	RS-700	-0.19447100629
5765	-122.360	37.717	2005.040	2088776.995	6023663.142	0	RS-700	-0.89912264151
5766	-122.360	37.717	2074.433	2088776.958	6023663.171	0	RS-700	-0.46268484277
5767	-122.360	37.717	1996.910	2088776.995	6023663.171	0	RS-700	-0.95025006289
5768	-122.360	37.717	1992.621	2088776.995	6023663.142	0	RS-700	-0.97722591195
5769	-122.360	37.717	2000.318	2088776.995	6023663.142	0	RS-700	-0.92881622642
5770	-122.360	37.717	1993.916	2088776.995	6023663.171	0	RS-700	-0.96908477987
5771	-122.360	37.717	2012.929	2088776.995	6023663.171	0	RS-700	-0.84950509434
5772	-122.360	37.717	1991.619	2088776.995	6023663.171	0	RS-700	-0.98353100629
5773	-122.360	37.717	2041.635	2088776.995	6023663.142	0	RS-700	-0.66896389937
5774	-122.360	37.717	2029.839	2088777.031	6023663.172	0	RS-700	-0.74315345912
5775	-122.360	37.717	2018.525	2088777.031	6023663.172	0	RS-700	-0.81430779874
5776	-122.360	37.717	2089.751	2088777.031	6023663.172	0	RS-700	-0.36634767296
5777	-122.360	37.717	2116.442	2088777.031	6023663.172	0	RS-700	-0.19847874214
5778	-122.360	37.717	1978.512	2088777.032	6023663.143	0	RS-700	-1.06596062893
5779	-122.360	37.717	2047.225	2088777.032	6023663.143	0	RS-700	-0.63380333333
5780	-122.360	37.717	2037.935	2088776.920	6023663.285	0	RS-700	-0.69223226415
5781	-122.360	37.717	1989.416	2088776.323	6023663.997	0	RS-700	-0.99738553459
5782	-122.360	37.717	1955.706	2088775.352	6023665.193	0	RS-700	-1.20939735849
5783	-122.360	37.717	2051.737	2088774.237	6023666.328	0	RS-700	-0.60542465409
5784	-122.360	37.717	2118.292	2088773.083	6023667.578	0	RS-700	-0.18684421384
5785	-122.360	37.717	2053.050	2088771.709	6023668.910	0	RS-700	-0.59717012579
5786	-122.360	37.717	1975.000	2088770.517	6023670.275	0	RS-700	-1.08805037736
5787	-122.360	37.717	1983.621	2088769.281	6023671.986	0	RS-700	-1.03382993711
5788	-122.360	37.717	2000.019	2088768.265	6023673.644	0	RS-700	-0.93069641509
5789	-122.360	37.717	2009.619	2088767.286	6023675.216	0	RS-700	-0.87032012579
5790	-122.360	37.717	2069.646	2088766.348	6023676.615	0	RS-700	-0.49278974843
5791	-122.360	37.717	2008.626	2088765.373	6023678.013	0	RS-700	-0.87656553459
5792	-122.360	37.717	1980.816	2088764.401	6023679.296	0	RS-700	-1.05147459119
5793	-122.360	37.717	1993.517	2088763.689	6023680.294	0	RS-700	-0.97159339623
5794	-122.360	37.717	2080.946	2088763.091	6023681.092	0	RS-700	-0.42172106918
5795	-122.360	37.717	2047.842	2088762.756	6023681.462	0	RS-700	-0.62992238994
5796	-122.360	37.717	1939.090	2088762.011	6023682.286	0	RS-700	-1.31390132075
5797	-122.360	37.717	2049.947	2088761.081	6023683.251	0	RS-700	-0.61668773585
5798	-122.360	37.717	1891.964	2088759.610	6023683.974	0	RS-700	-1.61028874214
5799	-122.360	37.717	2001.419	2088759.001	6023685.322	0	RS-700	-0.92189578616
5800	-122.360	37.717	2095.635	2088757.965	6023686.111	0	RS-700	-0.32934100629
5801	-122.360	37.717	1939.406	2088757.087	6023686.296	0	RS-700	-1.31190937107
5802	-122.360	37.717	2045.938	2088757.050	6023686.353	0	RS-700	-0.64190106918
5803	-122.360	37.717	2027.915	2088757.050	6023686.353	0	RS-700	-0.75525308176
5804	-122.360	37.717	2029.626	2088757.014	6023686.324	0	RS-700	-0.74449264151



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5805	-122.360	37.717	1913.877	2088756.939	6023686.409	0	RS-700	-1.47246905660
5806	-122.360	37.717	2006.016	2088756.154	6023687.435	0	RS-700	-0.89297911950
5807	-122.360	37.717	2037.232	2088755.031	6023689.004	0	RS-700	-0.69665113208
5808	-122.360	37.717	1945.504	2088753.720	6023690.800	0	RS-700	-1.27356150943
5809	-122.360	37.717	2009.420	2088752.843	6023692.808	0	RS-700	-0.87157383648
5810	-122.360	37.717	2012.036	2088751.754	6023694.435	0	RS-700	-0.85512264151
5811	-122.360	37.717	1759.543	2088750.707	6023695.832	0	RS-700	-2.44312792453
5812	-122.360	37.717	1070.222	2088749.734	6023697.144	0	RS-700	-6.77847886792
5813	-122.360	37.717	816.171	2088748.948	6023698.169	0	RS-700	-8.37628471698
5814	-122.360	37.717	959.154	2088747.866	6023699.479	0	RS-700	-7.47702062893
5815	-122.360	37.717	1515.480	2088746.311	6023700.779	0	RS-700	-3.97811251572
5816	-122.360	37.717	1864.578	2088745.189	6023702.261	0	RS-700	-1.78252748428
5817	-122.360	37.717	1946.795	2088744.775	6023702.918	0	RS-700	-1.26544031447
5818	-122.360	37.717	1950.701	2088744.738	6023702.975	0	RS-700	-1.24087389937
5819	-122.360	37.717	2014.124	2088745.099	6023703.098	0	RS-700	-0.84198446541
5820	-122.360	37.717	1897.169	2088745.213	6023702.898	0	RS-700	-1.57755295597
5821	-122.360	37.717	1804.376	2088745.514	6023702.412	0	RS-700	-2.16115446541
5822	-122.360	37.717	1968.519	2088745.179	6023702.752	0	RS-700	-1.12880987421
5823	-122.360	37.717	2019.737	2088743.854	6023703.478	0	RS-700	-0.80668440252
5824	-122.360	37.717	1964.401	2088742.822	6023704.094	0	RS-700	-1.15471169811
5825	-122.360	37.717	1958.314	2088741.791	6023704.652	0	RS-700	-1.19299610063
5826	-122.360	37.717	1809.755	2088741.832	6023704.422	0	RS-700	-2.12732855346
5827	-122.360	37.717	1718.123	2088741.241	6023704.844	0	RS-700	-2.70363056604
5828	-122.360	37.717	1586.524	2088740.577	6023705.265	0	RS-700	-3.53129861635
5829	-122.360	37.717	1563.611	2088740.643	6023705.613	0	RS-700	-3.67540540881
5830	-122.360	37.717	1584.270	2088740.422	6023705.724	0	RS-700	-3.54547201258
5831	-122.360	37.717	1484.461	2088739.712	6023706.607	0	RS-700	-4.17320415094
5832	-122.360	37.717	1567.723	2088739.034	6023707.751	0	RS-700	-3.64953880503
5833	-122.360	37.717	1612.663	2088738.655	6023708.524	0	RS-700	-3.36690213836
5834	-122.360	37.717	1609.249	2088738.693	6023708.409	0	RS-700	-3.38836849057
5835	-122.360	37.717	1963.609	2088738.275	6023709.298	0	RS-700	-1.15969459119
5836	-122.360	37.717	1943.797	2088737.525	6023710.382	0	RS-700	-1.28429522013
5837	-122.360	37.717	1908.861	2088736.739	6023711.437	0	RS-700	-1.50402100629
5838	-122.360	37.717	2088.071	2088735.985	6023712.724	0	RS-700	-0.37690924528
5839	-122.360	37.717	1998.521	2088735.156	6023714.125	0	RS-700	-0.94011641509
5840	-122.360	37.717	1995.316	2088734.401	6023715.470	0	RS-700	-0.96027974843
5841	-122.360	37.717	2031.038	2088733.609	6023716.872	0	RS-700	-0.73560830189
5842	-122.360	37.717	2035.139	2088732.592	6023718.530	0	RS-700	-0.70981968554
5843	-122.360	37.717	1962.509	2088731.615	6023720.072	0	RS-700	-1.16660943396
5844	-122.360	37.717	2042.050	2088730.594	6023721.933	0	RS-700	-0.66635270440
5845	-122.360	37.717	2043.948	2088729.318	6023723.846	0	RS-700	-0.65441289308
5846	-122.360	37.717	2022.525	2088728.192	6023725.530	0	RS-700	-0.78915132076
5847	-122.360	37.717	2084.745	2088727.145	6023726.927	0	RS-700	-0.39783100629
5848	-122.360	37.717	2048.743	2088726.132	6023728.411	0	RS-700	-0.62425566038
5849	-122.360	37.717	2037.093	2088724.899	6023729.978	0	RS-700	-0.69752522013

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5850	-122.360	37.717	1919.595	2088723.156	6023731.534	0	RS-700	-1.43651163522
5851	-122.360	37.717	2038.149	2088722.277	6023733.600	0	RS-700	-0.69088729560
5852	-122.360	37.717	2073.956	2088720.496	6023735.300	0	RS-700	-0.46568603774
5853	-122.360	37.717	2099.196	2088719.185	6023737.126	0	RS-700	-0.30694289308
5854	-122.360	37.717	2047.652	2088717.948	6023738.895	0	RS-700	-0.63112000000
5855	-122.360	37.717	2019.728	2088716.674	6023740.692	0	RS-700	-0.80673955975
5856	-122.360	37.717	1999.419	2088715.181	6023742.485	0	RS-700	-0.93447132076
5857	-122.360	37.717	1973.084	2088713.614	6023744.392	0	RS-700	-1.10010377358
5858	-122.360	37.717	2011.525	2088712.084	6023746.243	0	RS-700	-0.85833553459
5859	-122.360	37.717	2037.637	2088710.701	6023748.038	0	RS-700	-0.69410459120
5860	-122.360	37.717	2050.048	2088709.207	6023749.888	0	RS-700	-0.61605000000
5861	-122.360	37.717	1961.095	2088707.673	6023751.970	0	RS-700	-1.17550371069
5862	-122.360	37.717	1969.706	2088706.574	6023754.089	0	RS-700	-1.12134352201
5863	-122.360	37.717	2032.425	2088704.892	6023756.254	0	RS-700	-0.72688572327
5864	-122.360	37.717	1994.636	2088703.650	6023758.284	0	RS-700	-0.96455345912
5865	-122.360	37.717	2020.335	2088702.414	6023760.024	0	RS-700	-0.80292452830
5866	-122.360	37.717	2011.723	2088701.032	6023761.761	0	RS-700	-0.85709000000
5867	-122.360	37.716	1943.700	2088699.723	6023763.500	0	RS-700	-1.28490660377
5868	-122.360	37.716	2031.731	2088698.560	6023765.213	0	RS-700	-0.73125150943
5869	-122.360	37.716	2125.666	2088697.323	6023766.953	0	RS-700	-0.14046433962
5870	-122.360	37.716	2105.094	2088696.014	6023768.692	0	RS-700	-0.26984911950
5871	-122.360	37.716	2058.927	2088694.629	6023770.573	0	RS-700	-0.56020849057
5872	-122.360	37.716	2177.780	2088693.350	6023772.602	0	RS-700	0.18729603774
5873	-122.360	37.716	2065.778	2088692.075	6023774.486	0	RS-700	-0.51712264151
5874	-122.360	37.716	2015.425	2088690.803	6023776.197	0	RS-700	-0.83380540881
5875	-122.360	37.716	2147.775	2088689.601	6023778.024	0	RS-700	-0.00141742138
5876	-122.360	37.716	2185.114	2088688.397	6023779.939	0	RS-700	0.23342415094
5877	-122.360	37.716	2159.642	2088687.045	6023782.024	0	RS-700	0.07322295597
5878	-122.360	37.716	2125.972	2088685.800	6023784.169	0	RS-700	-0.13854012579
5879	-122.360	37.716	2048.842	2088684.526	6023785.995	0	RS-700	-0.62363654088
5880	-122.360	37.716	2133.863	2088683.557	6023787.075	0	RS-700	-0.08890911950
5881	-122.360	37.716	2116.767	2088682.738	6023787.985	0	RS-700	-0.23235384164
5882	-122.360	37.716	2172.115	2088681.001	6023789.252	0	RS-700	-0.07004519062
5883	-122.360	37.716	2338.727	2088679.772	6023790.645	0	RS-700	0.41855381232
5884	-122.360	37.716	2463.131	2088678.174	6023792.234	0	RS-700	0.78337636364
5885	-122.360	37.716	2295.596	2088676.611	6023793.938	0	RS-700	0.29206958944
5886	-122.360	37.716	1825.567	2088675.379	6023795.447	0	RS-700	-1.08631489736
5887	-122.360	37.716	1569.324	2088674.108	6023797.071	0	RS-700	-1.83776008798
5888	-122.360	37.716	2211.020	2088672.579	6023798.892	0	RS-700	0.04404818182
5889	-122.360	37.716	2408.708	2088671.544	6023801.504	0	RS-700	0.62377794721
5890	-122.360	37.716	2216.577	2088669.453	6023804.096	0	RS-700	0.43129974843
5891	-122.360	37.716	2041.141	2088667.763	6023806.637	0	RS-700	-0.67206754717
5892	-122.360	37.716	2102.863	2088666.194	6023808.660	0	RS-700	-0.28387748428
5893	-122.360	37.716	2051.428	2088663.911	6023809.916	0	RS-700	-0.60736849057
5894	-122.360	37.716	2078.751	2088662.640	6023811.569	0	RS-700	-0.43552685535

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5895	-122.360	37.716	2081.641	2088662.201	6023813.498	0	RS-700	-0.41735364780
5896	-122.360	37.716	2063.336	2088660.926	6023815.325	0	RS-700	-0.53248000000
5897	-122.360	37.716	2083.753	2088659.653	6023817.064	0	RS-700	-0.40407144654
5898	-122.360	37.716	2148.778	2088658.530	6023818.633	0	RS-700	0.00489603774
5899	-122.360	37.716	2113.850	2088657.371	6023820.114	0	RS-700	-0.21478301887
5900	-122.360	37.716	2052.324	2088656.103	6023821.623	0	RS-700	-0.60173773585
5901	-122.360	37.716	2076.259	2088654.869	6023823.247	0	RS-700	-0.45120163522
5902	-122.360	37.716	2074.941	2088654.082	6023824.360	0	RS-700	-0.45949012579
5903	-122.360	37.716	2049.334	2088653.894	6023824.645	0	RS-700	-0.62054031447
5904	-122.360	37.716	2022.033	2088653.932	6023824.588	0	RS-700	-0.79224742138
5905	-122.360	37.716	2102.540	2088653.895	6023824.616	0	RS-700	-0.28591427673
5906	-122.360	37.716	1997.619	2088653.371	6023825.329	0	RS-700	-0.94579119497
5907	-122.360	37.716	2081.648	2088652.250	6023826.754	0	RS-700	-0.41730559748
5908	-122.360	37.716	2008.024	2088651.131	6023828.091	0	RS-700	-0.88035314465
5909	-122.360	37.716	2096.545	2088649.750	6023829.770	0	RS-700	-0.32361371069
5910	-122.360	37.716	2109.866	2088648.183	6023831.620	0	RS-700	-0.23983522013
5911	-122.360	37.716	2088.236	2088646.692	6023833.384	0	RS-700	-0.37587672956
5912	-122.360	37.716	2228.804	2088645.164	6023835.118	0	RS-700	0.50819849057
5913	-122.360	37.716	2060.749	2088644.192	6023836.372	0	RS-700	-0.54875144654
5914	-122.360	37.716	2171.678	2088643.969	6023836.628	0	RS-700	0.14891591195
5915	-122.360	37.716	2049.361	2088643.856	6023836.770	0	RS-700	-0.62036867925
5916	-122.360	37.716	2134.535	2088643.857	6023836.741	0	RS-700	-0.08468509434
5917	-122.360	37.716	1999.619	2088643.857	6023836.741	0	RS-700	-0.93321283019
5918	-122.360	37.716	2052.061	2088643.857	6023836.741	0	RS-700	-0.60339194969
5919	-122.360	37.716	2034.739	2088643.857	6023836.741	0	RS-700	-0.71233113208
5920	-122.360	37.716	2188.116	2088643.857	6023836.741	0	RS-700	0.25229924528
5921	-122.360	37.716	2101.756	2088643.857	6023836.741	0	RS-700	-0.29084358491
5922	-122.360	37.716	2021.831	2088643.857	6023836.741	0	RS-700	-0.79351446541
5923	-122.360	37.716	2052.646	2088643.893	6023836.771	0	RS-700	-0.59971176101
5924	-122.360	37.716	2188.234	2088643.893	6023836.771	0	RS-700	0.25304704403
5925	-122.360	37.716	2076.966	2088643.929	6023836.772	0	RS-700	-0.44675408805
5926	-122.360	37.716	2074.960	2088643.893	6023836.771	0	RS-700	-0.45937308176
5927	-122.360	37.716	2130.978	2088643.929	6023836.772	0	RS-700	-0.10705389937
5928	-122.360	37.716	2028.740	2088643.892	6023836.800	0	RS-700	-0.75006182390
5929	-122.360	37.716	2024.210	2088643.631	6023837.142	0	RS-700	-0.77855301887
5930	-122.360	37.716	1984.417	2088642.510	6023838.566	0	RS-700	-1.02882484277
5931	-122.360	37.716	1921.497	2088641.426	6023839.962	0	RS-700	-1.42454616352
5932	-122.360	37.716	1637.512	2088640.605	6023840.930	0	RS-700	-3.21061345912
5933	-122.360	37.716	1066.116	2088639.676	6023841.866	0	RS-700	-6.80429893082
5934	-122.359	37.716	954.104	2088639.044	6023842.548	0	RS-700	-7.50877968553
5935	-122.359	37.716	805.087	2088638.257	6023843.660	0	RS-700	-8.44599509434
5936	-122.359	37.716	1105.179	2088637.179	6023844.767	0	RS-700	-6.55862358491
5937	-122.359	37.716	1764.456	2088636.239	6023846.253	0	RS-700	-2.41222572327
5938	-122.359	37.716	1929.276	2088635.700	6023847.718	0	RS-700	-1.37562238994
5939	-122.359	37.716	2110.754	2088635.533	6023848.785	0	RS-700	-0.23425289308

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5940	-122.359	37.716	2035.344	2088635.550	6023849.769	0	RS-700	-0.70853144654
5941	-122.359	37.716	2057.635	2088635.675	6023850.784	0	RS-700	-0.56833132076
5942	-122.359	37.716	2054.128	2088635.757	6023852.145	0	RS-700	-0.59039207547
5943	-122.359	37.716	2100.170	2088635.509	6023853.645	0	RS-700	-0.30081905660
5944	-122.359	37.716	2042.042	2088634.931	6023855.253	0	RS-700	-0.66640188679
5945	-122.359	37.716	1980.206	2088633.994	6023856.594	0	RS-700	-1.05530685535
5946	-122.359	37.716	2014.826	2088632.916	6023857.672	0	RS-700	-0.83757213837
5947	-122.359	37.716	1982.614	2088631.807	6023858.489	0	RS-700	-1.04016635220
5948	-122.359	37.716	1982.911	2088630.628	6023859.189	0	RS-700	-1.03829484277
5949	-122.359	37.716	2053.261	2088629.707	6023859.692	0	RS-700	-0.59584000000
5950	-122.359	37.716	1960.802	2088629.120	6023859.911	0	RS-700	-1.17734308176
5951	-122.359	37.716	2041.065	2088628.863	6023860.051	0	RS-700	-0.67254798742
5952	-122.359	37.716	2043.826	2088628.715	6023860.135	0	RS-700	-0.65518006289
5953	-122.359	37.716	2017.026	2088628.384	6023860.302	0	RS-700	-0.82373496855
5954	-122.359	37.716	2003.821	2088628.310	6023860.387	0	RS-700	-0.90678893082
5955	-122.359	37.716	1998.415	2088628.198	6023860.501	0	RS-700	-0.94078729560
5956	-122.359	37.716	2027.832	2088628.162	6023860.500	0	RS-700	-0.75577509434
5957	-122.359	37.716	2033.530	2088628.198	6023860.501	0	RS-700	-0.71993710692
5958	-122.359	37.716	2021.525	2088628.161	6023860.529	0	RS-700	-0.79543930818
5959	-122.359	37.716	2019.832	2088628.198	6023860.529	0	RS-700	-0.80609062893
5960	-122.359	37.716	1944.798	2088628.161	6023860.529	0	RS-700	-1.27800314465
5961	-122.359	37.716	2014.142	2088628.235	6023860.501	0	RS-700	-0.84187264151
5962	-122.359	37.716	1974.810	2088628.381	6023860.446	0	RS-700	-1.08924446541
5963	-122.359	37.716	1987.415	2088628.418	6023860.447	0	RS-700	-1.00996628931
5964	-122.359	37.716	2049.536	2088628.418	6023860.447	0	RS-700	-0.61926805031
5965	-122.359	37.716	2024.422	2088628.455	6023860.419	0	RS-700	-0.77721805031
5966	-122.359	37.716	2017.335	2088628.454	6023860.448	0	RS-700	-0.82179352201
5967	-122.359	37.716	1979.316	2088628.454	6023860.448	0	RS-700	-1.06090396226
5968	-122.359	37.716	2051.516	2088628.639	6023860.336	0	RS-700	-0.60681924528
5969	-122.359	37.716	2018.929	2088628.602	6023860.335	0	RS-700	-0.81176528302
5970	-122.359	37.716	2006.019	2088628.639	6023860.336	0	RS-700	-0.89296056604
5971	-122.359	37.716	2053.945	2088628.638	6023860.365	0	RS-700	-0.59153805031
5972	-122.359	37.716	1984.011	2088628.602	6023860.364	0	RS-700	-1.03137874214
5973	-122.359	37.716	1985.919	2088628.638	6023860.365	0	RS-700	-1.01937823899
5974	-122.359	37.716	2007.528	2088628.637	6023860.394	0	RS-700	-0.88347144654
5975	-122.359	37.716	2003.017	2088628.637	6023860.394	0	RS-700	-0.91184421384
5976	-122.359	37.716	1957.194	2088628.637	6023860.394	0	RS-700	-1.20003477987
5977	-122.359	37.716	2094.752	2088628.674	6023860.394	0	RS-700	-0.33489276730
5978	-122.359	37.716	1980.416	2088628.673	6023860.423	0	RS-700	-1.05399025157
5979	-122.359	37.716	2001.934	2088628.637	6023860.422	0	RS-700	-0.91865496855
5980	-122.359	37.716	2020.729	2088628.673	6023860.452	0	RS-700	-0.80044358491
5981	-122.359	37.716	2010.023	2088628.673	6023860.452	0	RS-700	-0.86777748428
5982	-122.359	37.716	1968.507	2088628.636	6023860.480	0	RS-700	-1.12888522013
5983	-122.359	37.716	1986.514	2088628.636	6023860.480	0	RS-700	-1.01563245283
5984	-122.359	37.716	1965.099	2088628.635	6023860.509	0	RS-700	-1.15032163522

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5985	-122.359	37.716	2006.223	2088628.671	6023860.510	0	RS-700	-0.89168125786
5986	-122.359	37.716	2034.836	2088628.671	6023860.539	0	RS-700	-0.71172540881
5987	-122.359	37.716	1968.005	2088628.671	6023860.539	0	RS-700	-1.13204572327
5988	-122.359	37.716	1960.608	2088628.634	6023860.567	0	RS-700	-1.17856515723
5989	-122.359	37.716	2011.734	2088628.634	6023860.567	0	RS-700	-0.85702037736
5990	-122.359	37.716	1961.404	2088628.670	6023860.568	0	RS-700	-1.17356088050
5991	-122.359	37.716	2033.629	2088628.670	6023860.568	0	RS-700	-0.71931295598
5992	-122.359	37.716	1939.698	2088628.670	6023860.597	0	RS-700	-1.31007283019
5993	-122.359	37.716	1927.692	2088628.670	6023860.597	0	RS-700	-1.38558238994
5994	-122.359	37.716	2012.022	2088628.669	6023860.626	0	RS-700	-0.85520823899
5995	-122.359	37.716	1970.915	2088628.706	6023860.626	0	RS-700	-1.11374327044
5996	-122.359	37.716	1942.549	2088628.669	6023860.626	0	RS-700	-1.29214616352
5997	-122.359	37.716	2024.821	2088628.706	6023860.626	0	RS-700	-0.77470899371
5998	-122.359	37.716	2038.744	2088628.669	6023860.655	0	RS-700	-0.68714610063
5999	-122.359	37.716	2009.705	2088628.704	6023860.684	0	RS-700	-0.86977754717
6000	-122.359	37.716	1928.505	2088628.668	6023860.683	0	RS-700	-1.38047188679
6001	-122.359	37.716	2019.619	2088628.704	6023860.684	0	RS-700	-0.80742761006
6002	-122.359	37.716	1965.706	2088628.630	6023860.741	0	RS-700	-1.14650025157
6003	-122.359	37.716	1988.721	2088628.446	6023860.853	0	RS-700	-1.00175465409
6004	-122.359	37.716	1974.805	2088627.743	6023861.417	0	RS-700	-1.08927949686
6005	-122.359	37.716	1996.626	2088626.963	6023862.183	0	RS-700	-0.95203672956
6006	-122.359	37.716	2071.746	2088626.068	6023863.236	0	RS-700	-0.47958767296
6007	-122.359	37.716	2061.743	2088624.874	6023864.658	0	RS-700	-0.54249937107
6008	-122.359	37.716	2069.948	2088623.305	6023866.652	0	RS-700	-0.49089515723
6009	-122.359	37.716	2140.877	2088621.732	6023868.849	0	RS-700	-0.04480106918
6010	-122.359	37.716	2093.069	2088620.341	6023871.020	0	RS-700	-0.34547584906
6011	-122.359	37.716	2050.533	2088619.246	6023872.994	0	RS-700	-0.61299987421
6012	-122.359	37.716	2040.226	2088618.226	6023874.855	0	RS-700	-0.67782440252
6013	-122.359	37.716	1988.614	2088617.244	6023876.600	0	RS-700	-1.00243037736
6014	-122.359	37.716	2062.164	2088616.119	6023878.226	0	RS-700	-0.53985075472
6015	-122.359	37.716	2011.328	2088615.221	6023879.453	0	RS-700	-0.85957264151
6016	-122.359	37.716	2077.275	2088614.846	6023879.995	0	RS-700	-0.44480930818
6017	-122.359	37.716	2061.843	2088614.845	6023880.024	0	RS-700	-0.54186886793
6018	-122.359	37.716	2100.297	2088614.846	6023879.995	0	RS-700	-0.30001949686
6019	-122.359	37.716	2031.838	2088614.846	6023879.995	0	RS-700	-0.73058050315
6020	-122.359	37.716	2156.314	2088614.846	6023879.995	0	RS-700	0.05229188679
6021	-122.359	37.716	2054.643	2088614.846	6023879.995	0	RS-700	-0.58715044025
6022	-122.359	37.716	2094.754	2088614.846	6023879.995	0	RS-700	-0.33488062893
6023	-122.359	37.716	2062.539	2088614.846	6023879.995	0	RS-700	-0.53748842767
6024	-122.359	37.716	2091.961	2088614.846	6023879.995	0	RS-700	-0.35244522013
6025	-122.359	37.716	2059.637	2088614.882	6023879.996	0	RS-700	-0.55574276730
6026	-122.359	37.716	2020.337	2088614.846	6023879.995	0	RS-700	-0.80291075472
6027	-122.359	37.716	2077.538	2088614.882	6023879.996	0	RS-700	-0.44315559748
6028	-122.359	37.716	2030.325	2088614.882	6023879.996	0	RS-700	-0.74009446541
6029	-122.359	37.716	2045.839	2088614.882	6023879.996	0	RS-700	-0.64252371069

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6030	-122.359	37.716	2098.867	2088614.882	6023879.996	0	RS-700	-0.30901132076
6031	-122.359	37.716	2011.316	2088614.882	6023879.996	0	RS-700	-0.85964691824
6032	-122.359	37.716	2056.152	2088614.882	6023879.996	0	RS-700	-0.57766006289
6033	-122.359	37.716	1999.917	2088614.883	6023879.967	0	RS-700	-0.93133685535
6034	-122.359	37.716	2164.673	2088614.919	6023879.967	0	RS-700	0.10486383648
6035	-122.359	37.716	2040.434	2088614.919	6023879.967	0	RS-700	-0.67651685535
6036	-122.359	37.716	2074.173	2088614.919	6023879.967	0	RS-700	-0.46431918239
6037	-122.359	37.716	2041.426	2088614.919	6023879.967	0	RS-700	-0.67027484277
6038	-122.359	37.716	2106.967	2088614.920	6023879.938	0	RS-700	-0.25806817610
6039	-122.359	37.716	2093.464	2088614.920	6023879.938	0	RS-700	-0.34299452830
6040	-122.359	37.716	2041.735	2088614.920	6023879.938	0	RS-700	-0.66833301887
6041	-122.359	37.716	2071.056	2088614.920	6023879.938	0	RS-700	-0.48392540881
6042	-122.359	37.716	2153.885	2088614.920	6023879.938	0	RS-700	0.03701396226
6043	-122.359	37.716	2065.060	2088614.920	6023879.938	0	RS-700	-0.52163327044
6044	-122.359	37.716	2058.838	2088614.920	6023879.938	0	RS-700	-0.56076905660
6045	-122.359	37.716	2053.529	2088614.957	6023879.910	0	RS-700	-0.59416025157
6046	-122.359	37.716	2099.066	2088614.920	6023879.910	0	RS-700	-0.30776232704
6047	-122.359	37.716	2054.639	2088614.956	6023879.939	0	RS-700	-0.58717540881
6048	-122.359	37.716	2083.053	2088614.957	6023879.910	0	RS-700	-0.40846930818
6049	-122.359	37.716	2061.742	2088614.957	6023879.910	0	RS-700	-0.54250345912
6050	-122.359	37.716	2051.732	2088614.957	6023879.910	0	RS-700	-0.60545698113
6051	-122.359	37.716	2158.687	2088614.957	6023879.910	0	RS-700	0.06721509434
6052	-122.359	37.716	2066.744	2088614.957	6023879.881	0	RS-700	-0.51104106918
6053	-122.359	37.716	2101.287	2088614.957	6023879.910	0	RS-700	-0.29379257862
6054	-122.359	37.716	2055.152	2088614.957	6023879.910	0	RS-700	-0.58394962264
6055	-122.359	37.716	1995.011	2088614.957	6023879.910	0	RS-700	-0.96219566038
6056	-122.359	37.716	2152.197	2088614.957	6023879.881	0	RS-700	0.02639402516
6057	-122.359	37.716	2079.151	2088614.957	6023879.881	0	RS-700	-0.43301232704
6058	-122.359	37.716	2023.032	2088614.957	6023879.910	0	RS-700	-0.78596484277
6059	-122.359	37.716	1999.416	2088614.957	6023879.881	0	RS-700	-0.93448786164
6060	-122.359	37.716	2112.542	2088614.957	6023879.881	0	RS-700	-0.22300459120
6061	-122.359	37.716	2009.926	2088614.958	6023879.852	0	RS-700	-0.86839232704
6062	-122.359	37.716	2086.750	2088614.957	6023879.881	0	RS-700	-0.38521735849
6063	-122.359	37.716	2070.950	2088614.957	6023879.881	0	RS-700	-0.48458962264
6064	-122.359	37.716	2159.882	2088614.957	6023879.881	0	RS-700	0.07472660377
6065	-122.359	37.716	2021.827	2088614.957	6023879.881	0	RS-700	-0.79354389937
6066	-122.359	37.716	2097.967	2088614.958	6023879.852	0	RS-700	-0.31467075472
6067	-122.359	37.716	2036.635	2088614.958	6023879.852	0	RS-700	-0.70040654088
6068	-122.359	37.716	2054.430	2088614.958	6023879.852	0	RS-700	-0.58848817610
6069	-122.359	37.716	2160.777	2088614.958	6023879.852	0	RS-700	0.08035905660
6070	-122.359	37.716	2057.940	2088614.958	6023879.852	0	RS-700	-0.56641603774
6071	-122.359	37.716	2081.275	2088614.922	6023879.823	0	RS-700	-0.41965610063
6072	-122.359	37.716	2102.282	2088614.922	6023879.823	0	RS-700	-0.28753182390
6073	-122.359	37.716	2091.860	2088614.959	6023879.795	0	RS-700	-0.35308320755
6074	-122.359	37.716	2153.100	2088614.921	6023879.881	0	RS-700	0.03207257862

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6075	-122.359	37.716	2098.964	2088614.509	6023880.422	0	RS-700	-0.30840056604
6076	-122.359	37.716	2003.021	2088613.686	6023881.563	0	RS-700	-0.91181968554
6077	-122.359	37.716	2099.864	2088612.824	6023882.761	0	RS-700	-0.30274515723
6078	-122.359	37.716	2022.036	2088611.740	6023884.157	0	RS-700	-0.79222754717
6079	-122.359	37.716	2113.549	2088610.802	6023885.556	0	RS-700	-0.21667402516
6080	-122.359	37.716	2040.620	2088609.867	6023886.781	0	RS-700	-0.67534308176
6081	-122.359	37.716	2128.300	2088608.673	6023888.233	0	RS-700	-0.12390132076
6082	-122.359	37.716	2110.985	2088607.404	6023889.770	0	RS-700	-0.23280113208
6083	-122.359	37.716	2093.062	2088605.992	6023891.189	0	RS-700	-0.34551974843
6084	-122.359	37.716	2018.521	2088604.727	6023892.552	0	RS-700	-0.81433088050
6085	-122.359	37.716	2056.525	2088603.571	6023893.918	0	RS-700	-0.57531402516
6086	-122.359	37.716	2011.623	2088602.488	6023895.227	0	RS-700	-0.85771622642
6087	-122.359	37.716	1970.908	2088601.555	6023896.366	0	RS-700	-1.11378446541
6088	-122.359	37.716	2064.949	2088600.958	6023897.106	0	RS-700	-0.52233182390
6089	-122.359	37.716	2077.743	2088600.958	6023897.106	0	RS-700	-0.44186943396
6090	-122.359	37.716	2066.060	2088601.107	6023896.907	0	RS-700	-0.51534327044
6091	-122.359	37.716	2113.298	2088601.219	6023896.793	0	RS-700	-0.21825037736
6092	-122.359	37.716	2057.853	2088601.219	6023896.793	0	RS-700	-0.56696503145
6093	-122.359	37.716	2147.308	2088601.256	6023896.765	0	RS-700	-0.00435245283
6094	-122.359	37.716	2114.756	2088601.256	6023896.765	0	RS-700	-0.20907924528
6095	-122.359	37.716	2036.736	2088601.256	6023896.765	0	RS-700	-0.69977660377
6096	-122.359	37.716	2087.646	2088601.257	6023896.736	0	RS-700	-0.37958748428
6097	-122.359	37.716	2028.029	2088601.257	6023896.736	0	RS-700	-0.75453767296
6098	-122.359	37.716	2046.839	2088601.220	6023896.735	0	RS-700	-0.63623308176
6099	-122.359	37.716	2066.954	2088601.221	6023896.706	0	RS-700	-0.50972383648
6100	-122.359	37.716	2089.760	2088601.220	6023896.735	0	RS-700	-0.36628974843
6101	-122.359	37.716	2154.991	2088601.220	6023896.735	0	RS-700	0.04397100629
6102	-122.359	37.716	2061.368	2088601.220	6023896.735	0	RS-700	-0.54485540881
6103	-122.359	37.716	2095.437	2088601.220	6023896.735	0	RS-700	-0.33058226415
6104	-122.359	37.716	2108.084	2088601.220	6023896.735	0	RS-700	-0.25104245283
6105	-122.359	37.716	2066.152	2088601.257	6023896.707	0	RS-700	-0.51476553459
6106	-122.359	37.716	2078.952	2088601.258	6023896.678	0	RS-700	-0.43426628931
6107	-122.359	37.716	2058.949	2088601.221	6023896.678	0	RS-700	-0.56007088050
6108	-122.359	37.716	2118.340	2088601.221	6023896.706	0	RS-700	-0.18654000000
6109	-122.359	37.716	2040.737	2088601.221	6023896.706	0	RS-700	-0.67461226415
6110	-122.359	37.716	2132.102	2088601.221	6023896.678	0	RS-700	-0.09998792453
6111	-122.359	37.716	1957.188	2088601.221	6023896.678	0	RS-700	-1.20007283019
6112	-122.359	37.716	2035.941	2088601.221	6023896.678	0	RS-700	-0.70477358491
6113	-122.359	37.716	2096.862	2088601.222	6023896.649	0	RS-700	-0.32162402516
6114	-122.359	37.716	2059.153	2088601.222	6023896.649	0	RS-700	-0.55878698113
6115	-122.359	37.716	2139.545	2088601.221	6023896.678	0	RS-700	-0.05317691824
6116	-122.359	37.716	2029.834	2088601.221	6023896.678	0	RS-700	-0.74318226415
6117	-122.359	37.716	2066.847	2088601.222	6023896.649	0	RS-700	-0.51039427673
6118	-122.359	37.716	2060.536	2088601.222	6023896.649	0	RS-700	-0.55009106918
6119	-122.359	37.716	2104.180	2088601.221	6023896.678	0	RS-700	-0.27560006289

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**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6120	-122.359	37.716	2017.525	2088601.185	6023896.677	0	RS-700	-0.82059503145
6121	-122.359	37.716	2089.975	2088601.221	6023896.678	0	RS-700	-0.36493503145
6122	-122.359	37.716	2048.739	2088601.221	6023896.678	0	RS-700	-0.62428572327
6123	-122.359	37.716	2095.750	2088600.998	6023896.933	0	RS-700	-0.32861616352
6124	-122.359	37.716	2108.962	2088600.699	6023897.304	0	RS-700	-0.24551962264
6125	-122.359	37.716	2061.008	2088600.514	6023897.474	0	RS-700	-0.54711930818
6126	-122.359	37.716	2096.861	2088600.440	6023897.530	0	RS-700	-0.32163006289
6127	-122.359	37.716	2029.733	2088600.476	6023897.531	0	RS-700	-0.74381993711
6128	-122.359	37.716	2025.324	2088600.477	6023897.502	0	RS-700	-0.77154698113
6129	-122.359	37.716	2070.173	2088600.513	6023897.502	0	RS-700	-0.48947842767
6130	-122.359	37.716	2033.734	2088600.513	6023897.502	0	RS-700	-0.71865251572
6131	-122.359	37.716	2113.396	2088600.513	6023897.502	0	RS-700	-0.21763522013
6132	-122.359	37.716	2114.068	2088600.514	6023897.474	0	RS-700	-0.21340962264
6133	-122.359	37.716	2128.895	2088600.514	6023897.445	0	RS-700	-0.12015666667
6134	-122.359	37.716	2071.171	2088600.551	6023897.416	0	RS-700	-0.48320238994
6135	-122.359	37.716	2135.982	2088600.589	6023897.359	0	RS-700	-0.07558729560
6136	-122.359	37.716	2109.652	2088600.515	6023897.416	0	RS-700	-0.24118245283
6137	-122.359	37.716	2060.566	2088600.403	6023897.558	0	RS-700	-0.54990213837
6138	-122.359	37.716	2020.731	2088600.403	6023897.529	0	RS-700	-0.80043270440
6139	-122.359	37.716	2097.436	2088600.366	6023897.586	0	RS-700	-0.31801182390
6140	-122.359	37.716	2029.733	2088599.919	6023898.069	0	RS-700	-0.74382012579
6141	-122.359	37.716	2109.769	2088599.248	6023898.837	0	RS-700	-0.24044427673
6142	-122.359	37.716	1999.123	2088598.540	6023899.662	0	RS-700	-0.93633345912
6143	-122.359	37.716	2050.952	2088598.130	6023900.117	0	RS-700	-0.61036383648
6144	-122.359	37.716	2002.122	2088598.575	6023899.721	0	RS-700	-0.91746949686
6145	-122.359	37.716	2074.261	2088599.356	6023898.897	0	RS-700	-0.46376773585
6146	-122.359	37.716	2013.027	2088600.254	6023897.700	0	RS-700	-0.84888974843
6147	-122.359	37.716	2097.865	2088600.868	6023896.150	0	RS-700	-0.31531635220
6148	-122.359	37.716	2015.422	2088600.900	6023894.501	0	RS-700	-0.83382264151
6149	-122.359	37.716	2080.062	2088600.529	6023893.047	0	RS-700	-0.42728245283
6150	-122.359	37.716	2089.165	2088600.011	6023891.620	0	RS-700	-0.37002905660
6151	-122.359	37.716	1992.415	2088599.462	6023889.931	0	RS-700	-0.97852100629
6152	-122.359	37.716	2064.822	2088599.219	6023889.318	0	RS-700	-0.52313515723
6153	-122.359	37.716	2096.743	2088599.963	6023890.346	0	RS-700	-0.32237144654
6154	-122.359	37.716	2044.024	2088601.393	6023891.705	0	RS-700	-0.65393811321
6155	-122.359	37.716	1910.586	2088603.374	6023892.815	0	RS-700	-1.49316786164
6156	-122.359	37.716	2124.766	2088605.733	6023893.209	0	RS-700	-0.14612830189
6157	-122.359	37.716	2009.523	2088607.814	6023892.990	0	RS-700	-0.87092503145
6158	-122.359	37.716	2084.752	2088608.508	6023892.888	0	RS-700	-0.39778679245
6159	-122.359	37.716	2074.162	2088607.158	6023893.006	0	RS-700	-0.46439100629
6160	-122.359	37.716	2128.082	2088605.551	6023893.234	0	RS-700	-0.12526754717
6161	-122.359	37.716	2047.529	2088603.976	6023893.666	0	RS-700	-0.63189169811
6162	-122.359	37.716	1998.819	2088602.324	6023894.327	0	RS-700	-0.93824666667
6163	-122.359	37.716	2095.267	2088600.811	6023895.310	0	RS-700	-0.33165138365
6164	-122.359	37.716	2093.650	2088599.624	6023896.414	0	RS-700	-0.34182232704



**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6165	-122.359	37.716	1992.009	2088598.835	6023897.614	0	RS-700	-0.98107283019
6166	-122.359	37.716	2012.318	2088598.010	6023898.812	0	RS-700	-0.85334415094
6167	-122.359	37.716	2013.819	2088597.598	6023899.383	0	RS-700	-0.84390333333
6168	-122.359	37.716	2129.982	2088598.271	6023898.528	0	RS-700	-0.11332339623
6169	-122.359	37.716	1998.821	2088599.496	6023897.367	0	RS-700	-0.93823421384
6170	-122.359	37.716	2082.634	2088600.975	6023896.239	0	RS-700	-0.41110503145
6171	-122.359	37.716	2037.631	2088602.489	6023895.169	0	RS-700	-0.69414289308
6172	-122.359	37.716	2088.963	2088604.041	6023894.072	0	RS-700	-0.37129981132
6173	-122.359	37.716	2121.291	2088605.595	6023892.830	0	RS-700	-0.16798062893
6174	-122.359	37.716	2186.658	2088607.036	6023891.788	0	RS-700	0.24313232704
6175	-122.359	37.716	2051.123	2088608.513	6023890.776	0	RS-700	-0.60929069182
6176	-122.359	37.716	2105.074	2088610.138	6023889.622	0	RS-700	-0.26997767296
6177	-122.359	37.716	2013.526	2088611.840	6023888.296	0	RS-700	-0.84574754717
6178	-122.359	37.716	2068.435	2088613.545	6023886.826	0	RS-700	-0.50040698113
6179	-122.359	37.716	1994.318	2088615.174	6023885.469	0	RS-700	-0.96655276730
6180	-122.359	37.716	2080.052	2088616.695	6023884.082	0	RS-700	-0.42734886793
6181	-122.359	37.716	1970.612	2088618.110	6023882.519	0	RS-700	-1.11564477987
6182	-122.359	37.716	2008.427	2088619.382	6023880.808	0	RS-700	-0.87782031447
6183	-122.359	37.716	2030.632	2088620.729	6023879.012	0	RS-700	-0.73816509434
6184	-122.359	37.716	2028.827	2088621.893	6023877.213	0	RS-700	-0.74951440252
6185	-122.359	37.716	1964.509	2088623.058	6023875.442	0	RS-700	-1.15403213836
6186	-122.359	37.716	2068.044	2088624.184	6023873.758	0	RS-700	-0.50286836478
6187	-122.359	37.716	2127.979	2088625.308	6023872.160	0	RS-700	-0.12592100629
6188	-122.359	37.716	2107.442	2088626.247	6023870.732	0	RS-700	-0.25508440252
6189	-122.359	37.716	2059.955	2088627.108	6023869.563	0	RS-700	-0.55374088050
6190	-122.359	37.716	2196.347	2088628.045	6023868.222	0	RS-700	0.30407056604
6191	-122.359	37.716	2071.537	2088629.208	6023866.480	0	RS-700	-0.48090201258
6192	-122.359	37.716	2055.843	2088630.593	6023864.598	0	RS-700	-0.57960534591
6193	-122.359	37.716	2027.240	2088632.123	6023862.748	0	RS-700	-0.75949509434
6194	-122.359	37.716	2025.634	2088633.431	6023861.096	0	RS-700	-0.76959660377
6195	-122.359	37.716	2027.729	2088634.549	6023859.817	0	RS-700	-0.75642132076
6196	-122.359	37.716	2052.533	2088635.705	6023858.451	0	RS-700	-0.60042220126
6197	-122.359	37.716	2131.339	2088636.826	6023857.027	0	RS-700	-0.10478641509
6198	-122.359	37.716	2098.862	2088637.652	6023855.770	0	RS-700	-0.30904308176
6199	-122.359	37.716	2153.990	2088638.215	6023854.913	0	RS-700	0.03767477987
6200	-122.359	37.716	2080.652	2088638.177	6023854.999	0	RS-700	-0.42357534591
6201	-122.359	37.716	2066.774	2088637.353	6023856.140	0	RS-700	-0.51085786164
6202	-122.359	37.716	2046.940	2088636.566	6023857.282	0	RS-700	-0.63559886793
6203	-122.359	37.716	2054.056	2088635.963	6023858.283	0	RS-700	-0.59084031447
6204	-122.359	37.716	1980.102	2088635.362	6023859.225	0	RS-700	-1.05596295597
6205	-122.359	37.716	2004.630	2088635.510	6023859.084	0	RS-700	-0.90170119497
6206	-122.359	37.716	2055.046	2088636.439	6023858.176	0	RS-700	-0.58461842767
6207	-122.359	37.716	2045.731	2088638.024	6023857.224	0	RS-700	-0.64319918239
6208	-122.359	37.716	1996.827	2088639.751	6023856.419	0	RS-700	-0.95077402516
6209	-122.359	37.716	2137.554	2088641.334	6023855.583	0	RS-700	-0.06569515723

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6210	-122.359	37.716	2062.842	2088642.738	6023854.569	0	RS-700	-0.53558798742
6211	-122.359	37.716	2139.558	2088643.888	6023853.493	0	RS-700	-0.05309515723
6212	-122.359	37.716	2082.170	2088644.711	6023852.439	0	RS-700	-0.41402358491
6213	-122.359	37.716	2053.036	2088645.683	6023851.127	0	RS-700	-0.59725905660
6214	-122.359	37.716	2005.725	2088646.586	6023849.699	0	RS-700	-0.89480949686
6215	-122.359	37.716	2101.196	2088647.380	6023848.210	0	RS-700	-0.29436327044
6216	-122.359	37.716	2107.645	2088648.026	6023846.892	0	RS-700	-0.25380716981
6217	-122.359	37.716	2119.869	2088648.706	6023845.633	0	RS-700	-0.17692490566
6218	-122.359	37.716	2077.860	2088649.394	6023843.997	0	RS-700	-0.44113144654
6219	-122.360	37.716	1998.718	2088650.196	6023842.162	0	RS-700	-0.93888226415
6220	-122.360	37.716	2132.983	2088650.919	6023840.556	0	RS-700	-0.09444396226
6221	-122.360	37.716	2078.752	2088651.568	6023839.064	0	RS-700	-0.43552345912
6222	-122.360	37.716	2047.431	2088652.255	6023837.487	0	RS-700	-0.63250918239
6223	-122.360	37.716	2003.318	2088652.980	6023835.823	0	RS-700	-0.90995062893
6224	-122.360	37.716	1931.503	2088653.706	6023834.131	0	RS-700	-1.36161855346
6225	-122.360	37.716	1996.208	2088654.354	6023832.668	0	RS-700	-0.95466905660
6226	-122.360	37.716	2004.528	2088654.583	6023832.152	0	RS-700	-0.90233798742
6227	-122.360	37.716	1873.767	2088654.583	6023832.123	0	RS-700	-1.72473320755
6228	-122.360	37.716	1968.812	2088654.584	6023832.094	0	RS-700	-1.12697075472
6229	-122.360	37.716	1964.805	2088654.812	6023831.607	0	RS-700	-1.15216981132
6230	-122.360	37.716	2013.526	2088655.273	6023830.401	0	RS-700	-0.84575075472
6231	-122.360	37.716	2005.723	2088656.000	6023828.622	0	RS-700	-0.89482459120
6232	-122.360	37.716	2045.245	2088656.769	6023826.612	0	RS-700	-0.64625496855
6233	-122.360	37.716	2064.432	2088657.609	6023824.661	0	RS-700	-0.52558220126
6234	-122.360	37.716	2131.651	2088658.699	6023822.947	0	RS-700	-0.10282603774
6235	-122.360	37.716	2172.556	2088659.676	6023821.404	0	RS-700	0.15443842767
6236	-122.360	37.716	2155.989	2088660.313	6023820.520	0	RS-700	0.05024251572
6237	-122.360	37.716	2055.425	2088660.837	6023819.807	0	RS-700	-0.58223308176
6238	-122.360	37.716	2054.945	2088661.547	6023818.896	0	RS-700	-0.58524911950
6239	-122.360	37.716	2033.343	2088662.481	6023817.728	0	RS-700	-0.72111345912
6240	-122.360	37.716	2089.748	2088663.638	6023816.304	0	RS-700	-0.36636402516
6241	-122.360	37.716	2060.844	2088664.981	6023814.682	0	RS-700	-0.54815201258
6242	-122.360	37.716	2081.168	2088666.325	6023813.060	0	RS-700	-0.42032779874
6243	-122.360	37.716	2077.636	2088667.595	6023811.465	0	RS-700	-0.44254314465
6244	-122.360	37.716	2093.171	2088668.715	6023810.069	0	RS-700	-0.34483704403
6245	-122.360	37.716	2098.757	2088669.646	6023809.046	0	RS-700	-0.30970622642
6246	-122.360	37.716	2164.097	2088670.207	6023808.305	0	RS-700	0.10123610063
6247	-122.360	37.716	2294.070	2088671.249	6023807.198	0	RS-700	0.91867962264
6248	-122.360	37.716	2371.329	2088672.292	6023806.003	0	RS-700	1.40458289308
6249	-122.360	37.716	2347.831	2088672.999	6023805.265	0	RS-700	0.44525307918
6250	-122.360	37.716	2466.893	2088672.775	6023805.521	0	RS-700	2.00561459119
6251	-122.360	37.716	2404.881	2088672.701	6023805.578	0	RS-700	1.61560069182
6252	-122.360	37.716	2394.100	2088672.738	6023805.549	0	RS-700	1.54779723270
6253	-122.360	37.716	2440.000	2088673.482	6023804.783	0	RS-700	0.71554140763
6254	-122.360	37.716	2181.349	2088674.596	6023803.677	0	RS-700	-0.04296589443

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6255	-122.360	37.716	1867.761	2088675.636	6023802.685	0	RS-700	-0.96257633431
6256	-122.360	37.716	1589.653	2088676.527	6023801.806	0	RS-700	-1.77814504399
6257	-122.360	37.716	1584.332	2088677.235	6023801.010	0	RS-700	-1.79374809384
6258	-122.360	37.716	1976.511	2088678.059	6023799.869	0	RS-700	-0.64366164223
6259	-122.360	37.716	2351.848	2088679.031	6023798.587	0	RS-700	0.45703290323
6260	-122.360	37.716	2477.134	2088680.342	6023796.761	0	RS-700	0.82444046921
6261	-122.360	37.716	2179.005	2088681.992	6023794.364	0	RS-700	-0.04983841642
6262	-122.360	37.716	1975.421	2088683.490	6023792.310	0	RS-700	-0.64685953079
6263	-122.360	37.716	2187.689	2088684.726	6023790.570	0	RS-700	-0.02437126100
6264	-122.360	37.716	2149.656	2088686.034	6023788.918	0	RS-700	0.01041698113
6265	-122.360	37.716	2145.983	2088687.267	6023787.352	0	RS-700	-0.01268383648
6266	-122.360	37.716	2171.897	2088688.462	6023785.842	0	RS-700	0.15029811321
6267	-122.360	37.716	2161.782	2088689.734	6023784.160	0	RS-700	0.08667911950
6268	-122.360	37.716	2107.074	2088690.897	6023782.448	0	RS-700	-0.25739509434
6269	-122.360	37.716	2156.098	2088691.870	6023781.136	0	RS-700	0.05093314465
6270	-122.360	37.716	2035.140	2088692.803	6023779.969	0	RS-700	-0.70980880503
6271	-122.360	37.716	2068.642	2088693.854	6023778.427	0	RS-700	-0.49910930818
6272	-122.360	37.716	2086.171	2088694.907	6023776.741	0	RS-700	-0.38886018868
6273	-122.360	37.716	2098.546	2088695.993	6023775.229	0	RS-700	-0.31102930818
6274	-122.360	37.716	2079.539	2088697.302	6023773.520	0	RS-700	-0.43057119497
6275	-122.360	37.716	2070.845	2088698.720	6023771.783	0	RS-700	-0.48525345912
6276	-122.360	37.716	2032.742	2088700.177	6023769.960	0	RS-700	-0.72489534591
6277	-122.360	37.717	2063.950	2088701.670	6023768.110	0	RS-700	-0.52861704403
6278	-122.360	37.717	1998.719	2088703.055	6023766.257	0	RS-700	-0.93887188679
6279	-122.360	37.717	2003.720	2088704.402	6023764.461	0	RS-700	-0.90742352201
6280	-122.360	37.717	2043.042	2088705.713	6023762.606	0	RS-700	-0.66011062893
6281	-122.360	37.717	2119.661	2088707.094	6023760.898	0	RS-700	-0.17823056604
6282	-122.360	37.717	2071.636	2088708.368	6023759.130	0	RS-700	-0.48027905660
6283	-122.360	37.717	2094.757	2088709.566	6023757.475	0	RS-700	-0.33486440252
6284	-122.360	37.717	2027.242	2088710.728	6023755.821	0	RS-700	-0.75948597484
6285	-122.360	37.717	2096.981	2088711.852	6023754.252	0	RS-700	-0.32087245283
6286	-122.360	37.717	2049.637	2088713.085	6023752.685	0	RS-700	-0.61863786164
6287	-122.360	37.717	2042.141	2088714.466	6023750.977	0	RS-700	-0.66577748428
6288	-122.360	37.717	1985.625	2088715.996	6023749.127	0	RS-700	-1.02122553459
6289	-122.360	37.717	2106.734	2088717.561	6023747.364	0	RS-700	-0.25953295598
6290	-122.360	37.717	2078.753	2088718.905	6023745.713	0	RS-700	-0.43551270440
6291	-122.360	37.717	1944.309	2088720.212	6023744.090	0	RS-700	-1.28107283019
6292	-122.360	37.717	2019.929	2088721.703	6023742.326	0	RS-700	-0.80547943396
6293	-122.360	37.717	2052.634	2088723.159	6023740.532	0	RS-700	-0.59978440252
6294	-122.360	37.717	2104.655	2088724.541	6023738.795	0	RS-700	-0.27261238994
6295	-122.360	37.717	2071.867	2088725.886	6023737.114	0	RS-700	-0.47882628931
6296	-122.360	37.717	1988.717	2088726.973	6023735.574	0	RS-700	-1.00178025157
6297	-122.360	37.717	2013.927	2088728.020	6023734.206	0	RS-700	-0.84322716981
6298	-122.360	37.717	1960.609	2088729.106	6023732.694	0	RS-700	-1.17855811321
6299	-122.360	37.717	1966.511	2088730.414	6023730.984	0	RS-700	-1.14144132075

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6300	-122.360	37.717	1957.518	2088731.687	6023729.274	0	RS-700	-1.19799949686
6301	-122.360	37.717	2094.957	2088732.623	6023727.962	0	RS-700	-0.33360295598
6302	-122.360	37.717	2078.972	2088733.411	6023726.820	0	RS-700	-0.43413610063
6303	-122.360	37.717	2140.983	2088734.195	6023725.823	0	RS-700	-0.04413226415
6304	-122.360	37.717	2074.866	2088734.866	6023725.055	0	RS-700	-0.45996088050
6305	-122.360	37.717	2107.536	2088735.090	6023724.770	0	RS-700	-0.25448943396
6306	-122.360	37.717	2113.644	2088735.315	6023724.486	0	RS-700	-0.21607264151
6307	-122.360	37.717	2044.841	2088735.984	6023723.776	0	RS-700	-0.64879754717
6308	-122.360	37.717	2001.723	2088736.581	6023723.064	0	RS-700	-0.91997930818
6309	-122.360	37.717	2049.542	2088737.475	6023722.069	0	RS-700	-0.61923559748
6310	-122.360	37.717	2011.739	2088738.484	6023720.788	0	RS-700	-0.85698698113
6311	-122.360	37.717	2003.826	2088739.602	6023719.508	0	RS-700	-0.90675559748
6312	-122.360	37.717	2101.653	2088740.272	6023718.769	0	RS-700	-0.29149289308
6313	-122.360	37.717	2119.763	2088740.719	6023718.286	0	RS-700	-0.17759182390
6314	-122.360	37.717	2057.243	2088740.941	6023718.088	0	RS-700	-0.57079911950
6315	-122.360	37.717	1981.310	2088740.978	6023718.060	0	RS-700	-1.04836503145
6316	-122.360	37.717	2098.752	2088740.942	6023718.059	0	RS-700	-0.30973723270
6317	-122.360	37.717	2083.349	2088740.978	6023718.060	0	RS-700	-0.40661289308
6318	-122.360	37.717	2060.637	2088741.015	6023718.003	0	RS-700	-0.54945377359
6319	-122.360	37.717	2126.340	2088741.795	6023717.266	0	RS-700	-0.13622383648
6320	-122.360	37.717	1961.215	2088742.873	6023716.159	0	RS-700	-1.17474805031
6321	-122.360	37.717	2075.439	2088743.910	6023715.283	0	RS-700	-0.45636062893
6322	-122.360	37.717	1984.621	2088744.913	6023714.319	0	RS-700	-1.02753981132
6323	-122.360	37.717	2048.642	2088745.957	6023713.067	0	RS-700	-0.62489176101
6324	-122.360	37.717	2083.434	2088746.703	6023712.214	0	RS-700	-0.40607798742
6325	-122.360	37.717	2017.923	2088746.927	6023711.900	0	RS-700	-0.81809289308
6326	-122.360	37.717	2083.639	2088746.815	6023712.043	0	RS-700	-0.40478779874
6327	-122.360	37.717	2101.964	2088746.704	6023712.156	0	RS-700	-0.28953383648
6328	-122.360	37.717	2139.199	2088746.667	6023712.184	0	RS-700	-0.05534937107
6329	-122.360	37.717	2018.240	2088746.629	6023712.241	0	RS-700	-0.81609823899
6330	-122.360	37.717	2052.947	2088746.593	6023712.241	0	RS-700	-0.59782031447
6331	-122.360	37.717	1959.168	2088746.593	6023712.241	0	RS-700	-1.18762295597
6332	-122.360	37.717	2028.830	2088746.668	6023712.126	0	RS-700	-0.74949817610
6333	-122.360	37.717	2060.949	2088747.304	6023711.300	0	RS-700	-0.54749031447
6334	-122.360	37.717	2046.430	2088748.311	6023710.105	0	RS-700	-0.63880761006
6335	-122.360	37.717	2095.069	2088749.093	6023709.195	0	RS-700	-0.33289930818
6336	-122.360	37.717	2029.354	2088749.057	6023709.223	0	RS-700	-0.74620062893
6337	-122.360	37.717	2051.150	2088748.795	6023709.536	0	RS-700	-0.60912056604
6338	-122.360	37.717	2077.752	2088748.386	6023709.991	0	RS-700	-0.44180937107
6339	-122.360	37.717	2056.740	2088747.791	6023710.587	0	RS-700	-0.57396371069
6340	-122.360	37.717	2039.838	2088747.194	6023711.298	0	RS-700	-0.68026628931
6341	-122.360	37.717	2118.093	2088746.592	6023712.270	0	RS-700	-0.18809723270
6342	-122.360	37.717	2032.819	2088746.252	6023712.899	0	RS-700	-0.72441113208
6343	-122.360	37.717	2039.940	2088746.136	6023713.244	0	RS-700	-0.67962025157
6344	-122.360	37.717	2039.937	2088745.753	6023714.191	0	RS-700	-0.67964465409

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6345	-122.360	37.717	2007.327	2088745.292	6023715.368	0	RS-700	-0.88473704403
6346	-122.360	37.717	1979.820	2088745.405	6023715.197	0	RS-700	-1.05773742138
6347	-122.360	37.717	1971.417	2088746.269	6023713.883	0	RS-700	-1.11058339623
6348	-122.360	37.717	2049.432	2088747.606	6023712.550	0	RS-700	-0.61992345912
6349	-122.360	37.717	2048.833	2088749.049	6023711.451	0	RS-700	-0.62369270440
6350	-122.360	37.717	2077.071	2088750.376	6023710.609	0	RS-700	-0.44609691824
6351	-122.360	37.717	1998.321	2088751.482	6023709.937	0	RS-700	-0.94137842767
6352	-122.360	37.717	1968.605	2088752.698	6023709.238	0	RS-700	-1.12827157233
6353	-122.360	37.717	2021.927	2088753.847	6023708.219	0	RS-700	-0.79291100629
6354	-122.360	37.717	2014.136	2088754.893	6023706.938	0	RS-700	-0.84191213837
6355	-122.360	37.717	1988.523	2088755.753	6023705.769	0	RS-700	-1.00299767296
6356	-122.360	37.717	2032.145	2088756.431	6023704.654	0	RS-700	-0.72864647799
6357	-122.360	37.717	2046.535	2088756.881	6023703.997	0	RS-700	-0.63814723270
6358	-122.360	37.717	2046.249	2088757.146	6023703.482	0	RS-700	-0.63994295598
6359	-122.360	37.717	2073.056	2088757.146	6023703.482	0	RS-700	-0.47134320755
6360	-122.360	37.717	1978.914	2088757.109	6023703.539	0	RS-700	-1.06343610063
6361	-122.360	37.717	2011.918	2088757.109	6023703.539	0	RS-700	-0.85586150943
6362	-122.360	37.717	2006.824	2088757.109	6023703.539	0	RS-700	-0.88789874214
6363	-122.360	37.717	1988.014	2088757.109	6023703.539	0	RS-700	-1.00620427673
6364	-122.360	37.717	1959.512	2088757.072	6023703.567	0	RS-700	-1.18546062893
6365	-122.360	37.717	1996.026	2088757.071	6023703.596	0	RS-700	-0.95581018868
6366	-122.360	37.717	2048.747	2088757.072	6023703.567	0	RS-700	-0.62423522013
6367	-122.360	37.717	1969.399	2088757.108	6023703.568	0	RS-700	-1.12327943396
6368	-122.360	37.717	2062.436	2088757.072	6023703.567	0	RS-700	-0.53813849057
6369	-122.360	37.717	1967.609	2088757.072	6023703.567	0	RS-700	-1.13453283019
6370	-122.360	37.717	1938.378	2088757.108	6023703.568	0	RS-700	-1.31837603774
6371	-122.360	37.717	2019.131	2088757.072	6023703.567	0	RS-700	-0.81049817610
6372	-122.360	37.717	2066.670	2088757.035	6023703.567	0	RS-700	-0.51150924528
6373	-122.360	37.717	2019.915	2088757.072	6023703.567	0	RS-700	-0.80556459120
6374	-122.360	37.717	2008.322	2088757.072	6023703.567	0	RS-700	-0.87847836478
6375	-122.360	37.717	2005.820	2088757.072	6023703.567	0	RS-700	-0.89421333333
6376	-122.360	37.717	1889.493	2088757.035	6023703.567	0	RS-700	-1.62582748428
6377	-122.360	37.717	1993.314	2088757.035	6023703.567	0	RS-700	-0.97286811321
6378	-122.360	37.717	2073.844	2088757.035	6023703.567	0	RS-700	-0.46638968554
6379	-122.360	37.717	1970.302	2088757.035	6023703.567	0	RS-700	-1.11759735849
6380	-122.360	37.717	1947.894	2088757.036	6023703.538	0	RS-700	-1.25852660377
6381	-122.360	37.717	1957.010	2088757.036	6023703.538	0	RS-700	-1.20119616352
6382	-122.360	37.717	2047.532	2088757.036	6023703.538	0	RS-700	-0.63187547170
6383	-122.360	37.717	1871.299	2088757.036	6023703.538	0	RS-700	-1.74025540881
6384	-122.360	37.717	1990.312	2088757.036	6023703.538	0	RS-700	-0.99175132076
6385	-122.360	37.717	1945.200	2088757.035	6023703.567	0	RS-700	-1.27547396226
6386	-122.360	37.717	2058.433	2088757.036	6023703.538	0	RS-700	-0.56331660377
6387	-122.360	37.717	1993.514	2088757.036	6023703.538	0	RS-700	-0.97161201258
6388	-122.360	37.717	1950.792	2088757.000	6023703.537	0	RS-700	-1.24030081761
6389	-122.360	37.717	1965.111	2088757.036	6023703.538	0	RS-700	-1.15024647799

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6390	-122.360	37.717	1905.593	2088757.000	6023703.537	0	RS-700	-1.52457496855
6391	-122.360	37.717	2039.046	2088757.000	6023703.537	0	RS-700	-0.68524396226
6392	-122.360	37.717	1995.018	2088757.000	6023703.537	0	RS-700	-0.96214924528
6393	-122.360	37.717	1895.965	2088757.000	6023703.537	0	RS-700	-1.58512308176
6394	-122.360	37.717	2019.729	2088757.000	6023703.537	0	RS-700	-0.80673830189
6395	-122.360	37.717	2013.417	2088757.000	6023703.537	0	RS-700	-0.84643459120
6396	-122.360	37.717	2039.537	2088756.999	6023703.566	0	RS-700	-0.68215421384
6397	-122.360	37.717	2052.328	2088757.000	6023703.537	0	RS-700	-0.60171106918
6398	-122.360	37.717	2009.625	2088757.301	6023703.051	0	RS-700	-0.87028509434
6399	-122.360	37.717	2080.640	2088757.900	6023702.224	0	RS-700	-0.42364572327
6400	-122.360	37.717	2056.531	2088758.471	6023700.991	0	RS-700	-0.57527446541
6401	-122.360	37.717	2056.637	2088759.156	6023699.501	0	RS-700	-0.57460792453
6402	-122.360	37.717	2037.746	2088759.949	6023698.070	0	RS-700	-0.69342308176
6403	-122.360	37.717	2079.371	2088760.735	6023696.986	0	RS-700	-0.43162842767
6404	-122.360	37.717	1971.406	2088761.296	6023696.274	0	RS-700	-1.11065490566
6405	-122.360	37.717	2101.070	2088761.333	6023696.217	0	RS-700	-0.29515490566
6406	-122.360	37.717	2041.447	2088761.259	6023696.273	0	RS-700	-0.67014188679
6407	-122.360	37.717	2124.979	2088761.258	6023696.331	0	RS-700	-0.14478509434
6408	-122.360	37.717	2006.825	2088761.221	6023696.359	0	RS-700	-0.88789433962
6409	-122.360	37.717	1994.720	2088761.221	6023696.359	0	RS-700	-0.96402528302
6410	-122.360	37.717	2081.529	2088761.221	6023696.388	0	RS-700	-0.41805610063
6411	-122.360	37.717	2039.735	2088761.258	6023696.331	0	RS-700	-0.68091232704
6412	-122.360	37.717	2082.060	2088761.783	6023695.560	0	RS-700	-0.41471798742
6413	-122.360	37.717	2047.243	2088762.682	6023694.305	0	RS-700	-0.63369264151
6414	-122.360	37.717	1958.709	2088763.656	6023692.965	0	RS-700	-1.19050987421
6415	-122.360	37.717	1948.703	2088764.558	6023691.565	0	RS-700	-1.25343943396
6416	-122.360	37.717	1938.997	2088765.611	6023689.879	0	RS-700	-1.31448383648
6417	-122.360	37.717	1933.307	2088766.630	6023688.077	0	RS-700	-1.35027176101
6418	-122.360	37.717	1983.112	2088767.645	6023686.506	0	RS-700	-1.03703031447
6419	-122.360	37.717	1862.396	2088768.512	6023685.019	0	RS-700	-1.79625377358
6420	-122.360	37.717	1969.005	2088769.311	6023683.299	0	RS-700	-1.12575308176
6421	-122.360	37.717	1987.517	2088770.110	6023681.579	0	RS-700	-1.00932578616
6422	-122.360	37.717	1963.412	2088770.835	6023679.915	0	RS-700	-1.16092811321
6423	-122.360	37.717	1911.065	2088771.522	6023678.309	0	RS-700	-1.49015981132
6424	-122.360	37.717	1963.289	2088772.283	6023676.704	0	RS-700	-1.16170289308
6425	-122.360	37.717	2054.656	2088773.045	6023675.012	0	RS-700	-0.58707037736
6426	-122.360	37.717	2034.664	2088773.700	6023673.174	0	RS-700	-0.71280660377
6427	-122.360	37.717	1994.528	2088774.611	6023671.311	0	RS-700	-0.96523465409
6428	-122.360	37.717	2137.301	2088775.376	6023669.475	0	RS-700	-0.06728679245
6429	-122.360	37.717	1972.103	2088776.248	6023667.785	0	RS-700	-1.10627358491
6430	-122.360	37.717	2037.737	2088777.229	6023666.040	0	RS-700	-0.69348100629
6431	-122.360	37.717	1997.517	2088778.243	6023664.498	0	RS-700	-0.94643276730
6432	-122.360	37.717	1911.593	2088779.256	6023663.014	0	RS-700	-1.48683421384
6433	-122.360	37.717	2060.739	2088780.196	6023661.528	0	RS-700	-0.54881276730
6434	-122.360	37.717	2071.162	2088781.138	6023659.956	0	RS-700	-0.48325943396

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6435	-122.360	37.717	2038.529	2088782.116	6023658.384	0	RS-700	-0.68849465409
6436	-122.360	37.717	1994.212	2088782.982	6023656.954	0	RS-700	-0.96721874214
6437	-122.360	37.717	2050.840	2088783.848	6023655.496	0	RS-700	-0.61107062893
6438	-122.360	37.717	2059.641	2088784.608	6023653.949	0	RS-700	-0.55571433962
6439	-122.360	37.717	2108.651	2088785.330	6023652.401	0	RS-700	-0.24747698113
6440	-122.360	37.717	2093.762	2088785.638	6023651.597	0	RS-700	-0.34112075472
6441	-122.360	37.717	2054.433	2088785.714	6023651.425	0	RS-700	-0.58846918239
6442	-122.360	37.717	2062.359	2088785.713	6023651.454	0	RS-700	-0.53862477987
6443	-122.360	37.717	1999.714	2088785.713	6023651.454	0	RS-700	-0.93261773585
6444	-122.360	37.717	1998.918	2088785.677	6023651.453	0	RS-700	-0.93762528302
6445	-122.360	37.717	2042.533	2088785.713	6023651.454	0	RS-700	-0.66331647799
6446	-122.360	37.717	2044.920	2088785.713	6023651.454	0	RS-700	-0.64830371069
6447	-122.360	37.717	2094.237	2088785.713	6023651.454	0	RS-700	-0.33813389937
6448	-122.360	37.717	2076.163	2088785.714	6023651.425	0	RS-700	-0.45180534591
6449	-122.360	37.717	2056.252	2088785.714	6023651.396	0	RS-700	-0.57703339623
6450	-122.360	37.717	2056.636	2088785.943	6023650.880	0	RS-700	-0.57461345912
6451	-122.360	37.717	2068.952	2088786.622	6023649.736	0	RS-700	-0.49715610063
6452	-122.360	37.717	2107.970	2088787.373	6023648.565	0	RS-700	-0.25176037736
6453	-122.360	37.717	2035.932	2088788.417	6023647.371	0	RS-700	-0.70483238994
6454	-122.360	37.717	2103.972	2088789.568	6023646.236	0	RS-700	-0.27690679245
6455	-122.360	37.717	2100.434	2088790.830	6023645.075	0	RS-700	-0.29915421384
6456	-122.360	37.717	2078.167	2088792.090	6023643.943	0	RS-700	-0.43920276730
6457	-122.360	37.717	2080.644	2088793.502	6023642.554	0	RS-700	-0.42362295598
6458	-122.360	37.717	2099.174	2088795.027	6023640.935	0	RS-700	-0.30708100629
6459	-122.360	37.717	1937.789	2088796.295	6023639.456	0	RS-700	-1.32208044025
6460	-122.360	37.717	1947.609	2088797.453	6023637.974	0	RS-700	-1.26032106918
6461	-122.360	37.717	2054.836	2088798.611	6023636.522	0	RS-700	-0.58593874214
6462	-122.360	37.717	2030.834	2088799.696	6023635.068	0	RS-700	-0.73689515723
6463	-122.360	37.717	1955.994	2088800.816	6023633.702	0	RS-700	-1.20758591195
6464	-122.360	37.717	2079.855	2088801.971	6023632.365	0	RS-700	-0.42858371069
6465	-122.360	37.717	1996.517	2088803.088	6023631.172	0	RS-700	-0.95272597484
6466	-122.360	37.717	2053.843	2088804.208	6023629.806	0	RS-700	-0.59218509434
6467	-122.360	37.717	2028.626	2088805.365	6023628.353	0	RS-700	-0.75078157233
6468	-122.360	37.717	2025.505	2088806.449	6023626.986	0	RS-700	-0.77040660377
6469	-122.360	37.717	2065.640	2088807.345	6023625.876	0	RS-700	-0.51798584906
6470	-122.360	37.717	2078.066	2088808.130	6023624.850	0	RS-700	-0.43983905660
6471	-122.360	37.717	2123.424	2088808.916	6023623.766	0	RS-700	-0.15456327044
6472	-122.360	37.717	2041.646	2088809.702	6023622.711	0	RS-700	-0.66889283019
6473	-122.360	37.717	2038.221	2088810.487	6023621.685	0	RS-700	-0.69043150943
6474	-122.360	37.717	2100.895	2088811.271	6023620.717	0	RS-700	-0.29625962264
6475	-122.360	37.717	2031.527	2088812.056	6023619.720	0	RS-700	-0.73253383648
6476	-122.360	37.717	2071.851	2088812.653	6023619.009	0	RS-700	-0.47892616352
6477	-122.360	37.717	1921.694	2088812.654	6023618.951	0	RS-700	-1.42330654088
6478	-122.360	37.717	2172.335	2088812.579	6023619.065	0	RS-700	0.15305245283
6479	-122.360	37.717	2063.733	2088812.468	6023619.150	0	RS-700	-0.52997993711

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6480	-122.360	37.717	2080.744	2088812.468	6023619.150	0	RS-700	-0.42299666667
6481	-122.360	37.717	2118.293	2088812.468	6023619.150	0	RS-700	-0.18683402516
6482	-122.360	37.717	2018.331	2088812.432	6023619.149	0	RS-700	-0.81552691824
6483	-122.360	37.717	2067.054	2088812.432	6023619.149	0	RS-700	-0.50909352201
6484	-122.360	37.717	1992.512	2088812.395	6023619.148	0	RS-700	-0.97791132076
6485	-122.360	37.717	2046.836	2088812.395	6023619.148	0	RS-700	-0.63625226415
6486	-122.360	37.717	2137.095	2088812.395	6023619.148	0	RS-700	-0.06858572327
6487	-122.360	37.717	2038.829	2088812.395	6023619.148	0	RS-700	-0.68661238994
6488	-122.360	37.717	2194.795	2088812.395	6023619.148	0	RS-700	0.29430540881
6489	-122.360	37.717	2038.836	2088812.395	6023619.148	0	RS-700	-0.68656698113
6490	-122.360	37.717	2111.761	2088812.395	6023619.148	0	RS-700	-0.22792006289
6491	-122.360	37.717	1998.722	2088812.395	6023619.148	0	RS-700	-0.93885433962
6492	-122.360	37.717	1980.518	2088812.359	6023619.148	0	RS-700	-1.05334786164
6493	-122.360	37.717	2057.637	2088812.359	6023619.148	0	RS-700	-0.56832226415
6494	-122.360	37.717	2103.561	2088812.359	6023619.148	0	RS-700	-0.27949157233
6495	-122.360	37.717	2061.957	2088812.358	6023619.177	0	RS-700	-0.54115339623
6496	-122.360	37.717	2117.297	2088812.358	6023619.177	0	RS-700	-0.19309905660
6497	-122.360	37.717	2041.720	2088812.395	6023619.177	0	RS-700	-0.66842968554
6498	-122.360	37.717	2061.948	2088812.358	6023619.177	0	RS-700	-0.54120465409
6499	-122.360	37.717	2114.501	2088812.358	6023619.177	0	RS-700	-0.21068402516
6500	-122.360	37.717	2076.853	2088812.358	6023619.177	0	RS-700	-0.44746773585
6501	-122.360	37.717	2016.620	2088812.358	6023619.206	0	RS-700	-0.82628767296
6502	-122.360	37.717	2108.393	2088812.358	6023619.206	0	RS-700	-0.24910276730
6503	-122.360	37.717	2053.842	2088812.358	6023619.206	0	RS-700	-0.59218886793
6504	-122.360	37.717	2113.083	2088812.394	6023619.206	0	RS-700	-0.21960610063
6505	-122.360	37.717	2009.717	2088812.394	6023619.206	0	RS-700	-0.86970742138
6506	-122.360	37.717	2020.133	2088812.358	6023619.206	0	RS-700	-0.80419333333
6507	-122.360	37.717	2046.654	2088812.358	6023619.206	0	RS-700	-0.63739886793
6508	-122.360	37.717	2089.857	2088812.358	6023619.206	0	RS-700	-0.36567635220
6509	-122.360	37.717	2035.729	2088812.358	6023619.206	0	RS-700	-0.70610452830
6510	-122.360	37.717	2045.949	2088812.358	6023619.206	0	RS-700	-0.64183226415
6511	-122.360	37.717	2038.532	2088812.358	6023619.206	0	RS-700	-0.68847603774
6512	-122.360	37.717	2074.838	2088812.358	6023619.177	0	RS-700	-0.46014132076
6513	-122.360	37.717	1989.915	2088812.358	6023619.177	0	RS-700	-0.99424358491
6514	-122.360	37.717	2055.534	2088812.321	6023619.205	0	RS-700	-0.58154509434
6515	-122.360	37.717	2083.543	2088812.621	6023618.777	0	RS-700	-0.40538849057
6516	-122.360	37.717	2132.661	2088813.294	6023617.893	0	RS-700	-0.09647320755
6517	-122.360	37.717	2158.777	2088814.153	6023616.811	0	RS-700	0.06778194969
6518	-122.360	37.717	2076.541	2088814.940	6023615.727	0	RS-700	-0.44942635220
6519	-122.360	37.717	2113.610	2088815.726	6023614.644	0	RS-700	-0.21629069182
6520	-122.360	37.717	2049.049	2088816.695	6023613.535	0	RS-700	-0.62233603774
6521	-122.360	37.717	2122.199	2088817.847	6023612.371	0	RS-700	-0.16226805031
6522	-122.360	37.717	2076.379	2088818.963	6023611.207	0	RS-700	-0.45044716981
6523	-122.360	37.717	2071.744	2088819.784	6023610.182	0	RS-700	-0.47959874214
6524	-122.360	37.717	2000.932	2088820.495	6023609.242	0	RS-700	-0.92495459120



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6525	-122.360	37.717	2079.854	2088821.428	6023608.132	0	RS-700	-0.42859339623
6526	-122.360	37.717	1997.918	2088822.325	6023606.935	0	RS-700	-0.94391270440
6527	-122.360	37.717	2049.534	2088823.336	6023605.537	0	RS-700	-0.61928471698
6528	-122.360	37.717	2161.880	2088824.420	6023604.141	0	RS-700	0.08729597484
6529	-122.360	37.717	1993.717	2088825.395	6023602.743	0	RS-700	-0.97033528302
6530	-122.360	37.717	2089.650	2088826.370	6023601.345	0	RS-700	-0.36698220126
6531	-122.360	37.717	2133.667	2088827.455	6023599.891	0	RS-700	-0.09014446541
6532	-122.360	37.717	2050.633	2088828.614	6023598.381	0	RS-700	-0.61237270440
6533	-122.360	37.717	2187.895	2088829.884	6023596.786	0	RS-700	0.25091352201
6534	-122.360	37.717	2154.674	2088831.153	6023595.220	0	RS-700	0.04197201258
6535	-122.360	37.717	1974.908	2088832.386	6023593.682	0	RS-700	-1.08863150943
6536	-122.360	37.717	2066.542	2088833.508	6023592.171	0	RS-700	-0.51231138365
6537	-122.360	37.717	2129.672	2088834.520	6023590.716	0	RS-700	-0.11526930818
6538	-122.360	37.717	1969.915	2088835.494	6023589.375	0	RS-700	-1.12003308176
6539	-122.360	37.717	2095.447	2088836.577	6023588.008	0	RS-700	-0.33052226415
6540	-122.360	37.717	2113.868	2088837.550	6023586.697	0	RS-700	-0.21466842767
6541	-122.360	37.717	2089.647	2088838.561	6023585.299	0	RS-700	-0.36699981132
6542	-122.360	37.717	2143.525	2088839.423	6023584.101	0	RS-700	-0.02814327044
6543	-122.360	37.717	2120.297	2088840.358	6023582.876	0	RS-700	-0.17423188679
6544	-122.360	37.717	2073.741	2088841.219	6023581.678	0	RS-700	-0.46703905660
6545	-122.360	37.717	2214.021	2088842.153	6023580.481	0	RS-700	0.41522660377
6546	-122.360	37.717	2191.238	2088843.121	6023579.430	0	RS-700	0.27193899371
6547	-122.360	37.717	2151.419	2088844.125	6023578.380	0	RS-700	0.02150226415
6548	-122.360	37.717	2218.362	2088845.354	6023577.016	0	RS-700	0.44252572327
6549	-122.360	37.717	2184.345	2088846.872	6023575.773	0	RS-700	0.22858509434
6550	-122.360	37.717	2266.039	2088848.241	6023574.701	0	RS-700	0.74238138365
6551	-122.360	37.717	2233.918	2088849.759	6023573.458	0	RS-700	0.54036308176
6552	-122.360	37.717	2121.759	2088851.238	6023572.330	0	RS-700	-0.16503566038
6553	-122.360	37.717	2092.964	2088852.682	6023571.144	0	RS-700	-0.34613849057
6554	-122.360	37.717	2129.198	2088853.940	6023570.127	0	RS-700	-0.11825201258
6555	-122.360	37.717	2085.954	2088855.020	6023568.934	0	RS-700	-0.39022345912
6556	-122.360	37.717	2034.138	2088855.584	6023568.048	0	RS-700	-0.71611364780
6557	-122.360	37.717	2130.767	2088855.846	6023567.706	0	RS-700	-0.10838383648
6558	-122.360	37.717	2087.747	2088855.997	6023567.449	0	RS-700	-0.37894930818
6559	-122.360	37.717	2046.146	2088855.848	6023567.619	0	RS-700	-0.64059320755
6560	-122.360	37.717	2131.080	2088855.174	6023568.532	0	RS-700	-0.10641811321
6561	-122.360	37.717	2121.187	2088854.347	6023569.817	0	RS-700	-0.16863647799
6562	-122.360	37.717	2168.767	2088853.668	6023570.990	0	RS-700	0.13061119497
6563	-122.360	37.717	2131.093	2088852.991	6023572.105	0	RS-700	-0.10633213837
6564	-122.360	37.717	2215.801	2088852.804	6023572.332	0	RS-700	0.42641880503
6565	-122.360	37.717	2161.888	2088853.475	6023571.564	0	RS-700	0.08734522013
6566	-122.360	37.717	2252.135	2088854.618	6023570.835	0	RS-700	0.65493490566
6567	-122.360	37.717	2112.654	2088855.946	6023570.022	0	RS-700	-0.22230245283
6568	-122.360	37.717	2170.203	2088857.601	6023569.187	0	RS-700	0.13964314465
6569	-122.360	37.717	2036.038	2088859.073	6023568.407	0	RS-700	-0.70416226415

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6570	-122.360	37.717	2104.476	2088860.510	6023567.596	0	RS-700	-0.27373396226
6571	-122.360	37.717	2140.775	2088861.659	6023566.578	0	RS-700	-0.04544050314
6572	-122.360	37.717	2180.988	2088862.813	6023565.299	0	RS-700	0.20747113208
6573	-122.360	37.717	2094.412	2088863.785	6023564.074	0	RS-700	-0.33703371069
6574	-122.360	37.717	2168.995	2088864.682	6023562.906	0	RS-700	0.13204308176
6575	-122.360	37.717	2083.064	2088865.359	6023561.849	0	RS-700	-0.40839993711
6576	-122.360	37.717	2144.768	2088865.660	6023561.334	0	RS-700	-0.02032610063
6577	-122.360	37.717	2070.055	2088866.188	6023560.448	0	RS-700	-0.49022125786
6578	-122.360	37.717	2120.292	2088866.787	6023559.592	0	RS-700	-0.17426440252
6579	-122.360	37.717	2117.296	2088867.167	6023558.789	0	RS-700	-0.19310779874
6580	-122.360	37.717	2071.770	2088867.734	6023557.788	0	RS-700	-0.47943119497
6581	-122.361	37.717	2141.194	2088868.192	6023556.726	0	RS-700	-0.04280654088
6582	-122.361	37.717	1988.915	2088868.726	6023555.493	0	RS-700	-1.00053396226
6583	-122.361	37.717	2111.076	2088869.556	6023554.063	0	RS-700	-0.23222446541
6584	-122.361	37.717	2048.330	2088870.647	6023552.291	0	RS-700	-0.62685389937
6585	-122.361	37.717	1875.772	2088871.779	6023550.317	0	RS-700	-1.71212389937
6586	-122.361	37.717	2048.039	2088872.836	6023548.429	0	RS-700	-0.62868641509
6587	-122.361	37.717	2061.222	2088873.895	6023546.454	0	RS-700	-0.54577402516
6588	-122.361	37.717	2023.041	2088875.028	6023544.451	0	RS-700	-0.78590339623
6589	-122.361	37.717	1978.605	2088876.123	6023542.506	0	RS-700	-1.06537786164
6590	-122.361	37.717	1935.402	2088877.106	6023540.674	0	RS-700	-1.33709415094
6591	-122.361	37.717	1951.096	2088878.124	6023538.929	0	RS-700	-1.23839113208
6592	-122.361	37.717	1983.915	2088879.138	6023537.358	0	RS-700	-1.03197987421
6593	-122.361	37.717	1983.719	2088880.188	6023535.846	0	RS-700	-1.03321251572
6594	-122.361	37.717	2008.722	2088881.311	6023534.306	0	RS-700	-0.87596389937
6595	-122.361	37.717	2001.120	2088882.249	6023532.965	0	RS-700	-0.92377572327
6596	-122.361	37.717	1982.616	2088883.113	6023531.622	0	RS-700	-1.04015364780
6597	-122.361	37.717	2042.636	2088883.969	6023530.713	0	RS-700	-0.66266654088
6598	-122.361	37.717	2065.259	2088885.011	6023529.577	0	RS-700	-0.52038176101
6599	-122.361	37.717	2091.753	2088886.272	6023528.416	0	RS-700	-0.35375477987
6600	-122.361	37.717	2068.152	2088887.092	6023527.506	0	RS-700	-0.50218572327
6601	-122.361	37.717	1968.412	2088887.315	6023527.250	0	RS-700	-1.12948232704
6602	-122.361	37.717	1715.547	2088888.060	6023526.397	0	RS-700	-2.71982930818
6603	-122.361	37.717	1898.305	2088889.027	6023525.404	0	RS-700	-1.57040867925
6604	-122.361	37.717	2092.647	2088889.218	6023524.945	0	RS-700	-0.34812943396
6605	-122.361	37.717	2135.768	2088889.967	6023523.947	0	RS-700	-0.07693264151
6606	-122.361	37.717	2109.972	2088890.716	6023522.892	0	RS-700	-0.23916886793
6607	-122.361	37.717	2118.187	2088891.725	6023521.581	0	RS-700	-0.18750289308
6608	-122.361	37.717	2187.672	2088892.957	6023520.072	0	RS-700	0.24950767296
6609	-122.361	37.717	2094.752	2088894.229	6023518.362	0	RS-700	-0.33489603774
6610	-122.361	37.717	2153.893	2088895.574	6023516.682	0	RS-700	0.03706547170
6611	-122.361	37.717	2159.672	2088896.953	6023515.089	0	RS-700	0.07340817610
6612	-122.361	37.717	2110.656	2088898.409	6023513.295	0	RS-700	-0.23486773585
6613	-122.361	37.717	2168.665	2088899.862	6023511.675	0	RS-700	0.12996610063
6614	-122.361	37.717	2144.881	2088901.169	6023510.023	0	RS-700	-0.01961893082

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6615	-122.361	37.717	2199.234	2088902.660	6023508.288	0	RS-700	0.32222540881
6616	-122.361	37.717	2170.342	2088904.080	6023506.494	0	RS-700	0.14051867925
6617	-122.361	37.717	2289.941	2088905.427	6023504.698	0	RS-700	0.89271339623
6618	-122.361	37.717	2243.377	2088906.734	6023503.046	0	RS-700	0.59985402516
6619	-122.361	37.717	2227.474	2088908.041	6023501.423	0	RS-700	0.49983748428
6620	-122.361	37.717	2195.461	2088909.092	6023499.881	0	RS-700	0.29849635220
6621	-122.361	37.717	2186.119	2088910.101	6023498.571	0	RS-700	0.23974176101
6622	-122.361	37.717	2117.297	2088911.225	6023496.973	0	RS-700	-0.19309805031
6623	-122.361	37.717	2021.626	2088912.391	6023495.145	0	RS-700	-0.79480522013
6624	-122.361	37.717	2232.916	2088913.660	6023493.579	0	RS-700	0.53406534591
6625	-122.361	37.717	2198.018	2088914.859	6023491.896	0	RS-700	0.31457767296
6626	-122.361	37.717	2197.113	2088915.986	6023490.153	0	RS-700	0.30888943396
6627	-122.361	37.717	2148.760	2088917.112	6023488.469	0	RS-700	0.00478050314
6628	-122.361	37.717	2113.342	2088918.272	6023486.930	0	RS-700	-0.21797591195
6629	-122.361	37.717	1980.176	2088919.395	6023485.390	0	RS-700	-1.05549849057
6630	-122.361	37.717	1966.385	2088920.483	6023483.791	0	RS-700	-1.14223327044
6631	-122.361	37.717	2001.313	2088921.572	6023482.135	0	RS-700	-0.92255861635
6632	-122.361	37.717	2172.333	2088922.696	6023480.566	0	RS-700	0.15304031447
6633	-122.361	37.717	2134.625	2088923.781	6023479.083	0	RS-700	-0.08411823899
6634	-122.361	37.717	2195.902	2088924.863	6023477.803	0	RS-700	0.30126981132
6635	-122.361	37.717	2058.946	2088926.021	6023476.322	0	RS-700	-0.56008528302
6636	-122.361	37.717	2192.337	2088927.371	6023474.410	0	RS-700	0.27884761006
6637	-122.361	37.717	2170.659	2088928.721	6023472.412	0	RS-700	0.14250968554
6638	-122.361	37.717	2165.349	2088929.888	6023470.526	0	RS-700	0.10911157233
6639	-122.361	37.717	2162.342	2088931.277	6023468.441	0	RS-700	0.09019924528
6640	-122.361	37.717	2112.192	2088932.705	6023466.213	0	RS-700	-0.22520823899
6641	-122.361	37.717	2198.687	2088934.128	6023464.245	0	RS-700	0.31878842767
6642	-122.361	37.717	2170.784	2088935.517	6023462.190	0	RS-700	0.14329559748
6643	-122.361	37.717	2110.991	2088937.085	6023460.225	0	RS-700	-0.23276006289
6644	-122.361	37.717	2096.868	2088938.764	6023458.204	0	RS-700	-0.32158540881
6645	-122.361	37.717	2155.877	2088940.369	6023456.269	0	RS-700	0.04954352201
6646	-122.361	37.717	2077.059	2088941.716	6023454.444	0	RS-700	-0.44617062893
6647	-122.361	37.717	1993.217	2088942.953	6023452.704	0	RS-700	-0.97348025157
6648	-122.361	37.717	2093.751	2088944.227	6023450.907	0	RS-700	-0.34119044025
6649	-122.361	37.717	2053.736	2088945.466	6023449.022	0	RS-700	-0.59285327044
6650	-122.361	37.717	2165.014	2088946.782	6023446.936	0	RS-700	0.10700893082
6651	-122.361	37.717	2119.766	2088948.241	6023444.969	0	RS-700	-0.17757327044
6652	-122.361	37.717	2142.307	2088949.623	6023443.232	0	RS-700	-0.03580402516
6653	-122.361	37.717	2204.793	2088951.006	6023441.465	0	RS-700	0.35719044025
6654	-122.361	37.717	2214.677	2088952.503	6023439.470	0	RS-700	0.41935503145
6655	-122.361	37.717	2270.064	2088954.147	6023437.362	0	RS-700	0.76770044025
6656	-122.361	37.717	2247.276	2088955.716	6023435.397	0	RS-700	0.62438000000
6657	-122.361	37.717	2180.223	2088957.061	6023433.688	0	RS-700	0.20266094340
6658	-122.361	37.717	2248.487	2088958.520	6023431.750	0	RS-700	0.63199515723
6659	-122.361	37.717	2238.674	2088959.870	6023429.780	0	RS-700	0.57027710692

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6660	-122.361	37.717	2219.577	2088961.070	6023428.039	0	RS-700	0.45017138365
6661	-122.361	37.717	2082.334	2088962.081	6023426.642	0	RS-700	-0.41299238994
6662	-122.361	37.717	1717.727	2088962.942	6023425.444	0	RS-700	-2.70611899371
6663	-122.361	37.717	1278.139	2088963.881	6023424.045	0	RS-700	-5.47082132075
6664	-122.361	37.717	1110.250	2088964.894	6023422.561	0	RS-700	-6.52673050314
6665	-122.361	37.717	1354.084	2088965.983	6023420.876	0	RS-700	-4.99318138365
6666	-122.361	37.717	1953.808	2088967.217	6023419.280	0	RS-700	-1.22133226415
6667	-122.361	37.717	2209.123	2088968.347	6023417.393	0	RS-700	0.38442056604
6668	-122.361	37.717	2199.455	2088969.619	6023415.683	0	RS-700	0.32361855346
6669	-122.361	37.717	2251.697	2088970.930	6023413.857	0	RS-700	0.65218150943
6670	-122.361	37.717	2124.557	2088972.388	6023411.948	0	RS-700	-0.14744050315
6671	-122.361	37.717	2124.613	2088973.846	6023410.067	0	RS-700	-0.14708654088
6672	-122.361	37.717	2137.070	2088975.411	6023408.276	0	RS-700	-0.06874113208
6673	-122.361	37.717	2211.795	2088976.793	6023406.568	0	RS-700	0.40122433962
6674	-122.361	37.717	2100.168	2088978.176	6023404.772	0	RS-700	-0.30083163522
6675	-122.361	37.717	2036.432	2088979.557	6023403.093	0	RS-700	-0.70168270440
6676	-122.361	37.717	2148.562	2088980.938	6023401.414	0	RS-700	0.00353345912
6677	-122.361	37.717	2086.646	2088982.281	6023399.791	0	RS-700	-0.38587679245
6678	-122.361	37.717	2143.222	2088983.589	6023398.110	0	RS-700	-0.03005333333
6679	-122.361	37.717	2096.964	2088984.748	6023396.600	0	RS-700	-0.32098075472
6680	-122.361	37.717	2154.989	2088985.759	6023395.232	0	RS-700	0.04395610063
6681	-122.361	37.717	2268.592	2088986.844	6023393.749	0	RS-700	0.75844238994
6682	-122.361	37.717	2237.249	2088987.972	6023392.006	0	RS-700	0.56131559748
6683	-122.361	37.717	2239.252	2088989.247	6023390.151	0	RS-700	0.57391226415
6684	-122.361	37.717	2201.234	2088990.560	6023388.210	0	RS-700	0.33480578616
6685	-122.361	37.717	2104.863	2088991.871	6023386.385	0	RS-700	-0.27130000000
6686	-122.361	37.717	2207.913	2088993.071	6023384.644	0	RS-700	0.37681094340
6687	-122.361	37.717	2218.365	2088994.198	6023382.902	0	RS-700	0.44254968554
6688	-122.361	37.717	2160.888	2088995.436	6023381.104	0	RS-700	0.08105377358
6689	-122.361	37.717	2122.400	2088996.561	6023379.477	0	RS-700	-0.16100327044
6690	-122.361	37.717	2043.147	2088997.536	6023378.079	0	RS-700	-0.65945264151
6691	-122.361	37.717	2161.549	2088998.546	6023376.739	0	RS-700	0.08521352201
6692	-122.361	37.717	2106.545	2088999.593	6023375.342	0	RS-700	-0.26072283019
6693	-122.361	37.717	2028.622	2089000.677	6023373.946	0	RS-700	-0.75080591195
6694	-122.361	37.717	2034.242	2089002.169	6023372.153	0	RS-700	-0.71545849057
6695	-122.361	37.717	2054.635	2089003.810	6023370.219	0	RS-700	-0.58720062893
6696	-122.361	37.717	2093.062	2089005.417	6023368.168	0	RS-700	-0.34552113208
6697	-122.361	37.717	2078.961	2089006.913	6023366.201	0	RS-700	-0.43420471698
6698	-122.361	37.717	2159.886	2089008.297	6023364.377	0	RS-700	0.07475735849
6699	-122.361	37.717	2160.650	2089009.754	6023362.526	0	RS-700	0.07956006289
6700	-122.361	37.717	2187.790	2089011.393	6023360.678	0	RS-700	0.25025276730
6701	-122.361	37.717	2113.339	2089013.070	6023358.773	0	RS-700	-0.21799182390
6702	-122.361	37.717	2195.893	2089014.562	6023357.009	0	RS-700	0.30121383648
6703	-122.361	37.717	2042.770	2089015.944	6023355.272	0	RS-700	-0.66182566038
6704	-122.361	37.717	2005.818	2089017.145	6023353.473	0	RS-700	-0.89422421384

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6705	-122.361	37.717	2063.230	2089018.494	6023351.561	0	RS-700	-0.53314628931
6706	-122.361	37.717	2077.858	2089019.809	6023349.534	0	RS-700	-0.44114339623
6707	-122.361	37.717	2017.924	2089021.012	6023347.648	0	RS-700	-0.81808754717
6708	-122.361	37.717	2056.147	2089022.214	6023345.792	0	RS-700	-0.57769176101
6709	-122.361	37.717	2034.936	2089023.562	6023343.967	0	RS-700	-0.71109169811
6710	-122.361	37.717	2046.047	2089025.085	6023342.435	0	RS-700	-0.64121471698
6711	-122.361	37.717	2030.818	2089026.603	6023341.192	0	RS-700	-0.73699327044
6712	-122.361	37.717	2036.829	2089028.199	6023339.719	0	RS-700	-0.69919106918
6713	-122.361	37.717	2110.865	2089029.765	6023337.870	0	RS-700	-0.23355044025
6714	-122.361	37.717	2110.554	2089031.109	6023336.190	0	RS-700	-0.23551194969
6715	-122.361	37.717	2100.333	2089032.274	6023334.391	0	RS-700	-0.29979408805
6716	-122.361	37.717	2064.745	2089033.659	6023332.509	0	RS-700	-0.52361566038
6717	-122.361	37.717	2171.672	2089035.119	6023330.513	0	RS-700	0.14887955975
6718	-122.361	37.717	2017.828	2089036.614	6023328.604	0	RS-700	-0.81869150943
6719	-122.361	37.717	2047.529	2089038.147	6023326.609	0	RS-700	-0.63189597484
6720	-122.361	37.717	2094.649	2089039.903	6023324.359	0	RS-700	-0.33553861635
6721	-122.361	37.717	2116.443	2089041.546	6023322.309	0	RS-700	-0.19846949686
6722	-122.361	37.717	2074.067	2089043.115	6023320.373	0	RS-700	-0.46498603774
6723	-122.361	37.717	2130.200	2089044.792	6023318.410	0	RS-700	-0.11195213837
6724	-122.361	37.717	2086.536	2089046.544	6023316.419	0	RS-700	-0.38656660377
6725	-122.361	37.717	2040.730	2089048.074	6023314.540	0	RS-700	-0.67465415094
6726	-122.361	37.717	2072.159	2089049.423	6023312.658	0	RS-700	-0.47698993711
6727	-122.361	37.717	2108.550	2089050.809	6023310.689	0	RS-700	-0.24811484277
6728	-122.361	37.717	2049.531	2089052.161	6023308.633	0	RS-700	-0.61930446541
6729	-122.361	37.717	2052.833	2089053.586	6023306.608	0	RS-700	-0.59853238994
6730	-122.361	37.717	2131.876	2089055.080	6023304.728	0	RS-700	-0.10140660377
6731	-122.361	37.717	2220.021	2089056.609	6023302.936	0	RS-700	0.45295968554
6732	-122.361	37.717	2161.778	2089058.281	6023301.233	0	RS-700	0.08665144654
6733	-122.361	37.717	2257.929	2089060.027	6023299.532	0	RS-700	0.69137729560
6734	-122.361	37.717	2210.910	2089061.882	6023297.804	0	RS-700	0.39565886793
6735	-122.361	37.717	2216.133	2089063.738	6023296.076	0	RS-700	0.42850893082
6736	-122.361	37.717	2164.667	2089065.595	6023294.262	0	RS-700	0.10482672956
6737	-122.361	37.717	2221.914	2089067.341	6023292.532	0	RS-700	0.46486943396
6738	-122.361	37.717	2224.796	2089068.902	6023290.943	0	RS-700	0.48299496855
6739	-122.361	37.717	2152.667	2089069.982	6023289.720	0	RS-700	0.02935213836
6740	-122.361	37.717	2210.018	2089070.655	6023288.866	0	RS-700	0.39005201258
6741	-122.361	37.717	2061.740	2089071.306	6023287.259	0	RS-700	-0.54251622642
6742	-122.361	37.717	2138.981	2089071.777	6023285.532	0	RS-700	-0.05672333333
6743	-122.361	37.717	2032.930	2089072.097	6023284.092	0	RS-700	-0.72371314465
6744	-122.361	37.717	1852.412	2089072.482	6023283.058	0	RS-700	-1.85904465409
6745	-122.361	37.717	1601.583	2089072.946	6023281.708	0	RS-700	-3.43658723270
6746	-122.361	37.717	1256.345	2089073.554	6023280.418	0	RS-700	-5.60789496855
6747	-122.361	37.717	1186.194	2089074.164	6023279.041	0	RS-700	-6.04909735849
6748	-122.361	37.718	1148.409	2089074.770	6023277.896	0	RS-700	-6.28673377358
6749	-122.361	37.718	1610.336	2089075.635	6023276.496	0	RS-700	-3.38153440252

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6750	-122.361	37.718	2014.326	2089076.716	6023275.273	0	RS-700	-0.84071660377
6751	-122.361	37.718	1975.519	2089078.018	6023273.882	0	RS-700	-1.08478490566
6752	-122.362	37.718	2049.532	2089079.473	6023272.175	0	RS-700	-0.61929616352
6753	-122.362	37.718	2089.644	2089081.111	6023270.356	0	RS-700	-0.36701836478
6754	-122.362	37.718	2110.547	2089082.865	6023268.221	0	RS-700	-0.23555169811
6755	-122.362	37.718	2096.755	2089084.618	6023266.173	0	RS-700	-0.32229339623
6756	-122.362	37.718	2168.023	2089086.262	6023264.065	0	RS-700	0.12593050315
6757	-122.362	37.718	2066.041	2089087.833	6023261.984	0	RS-700	-0.51546496855
6758	-122.362	37.718	2086.166	2089089.363	6023260.134	0	RS-700	-0.38889018868
6759	-122.362	37.718	2072.652	2089090.967	6023258.228	0	RS-700	-0.47388830189
6760	-122.362	37.718	2063.053	2089092.533	6023256.407	0	RS-700	-0.53425641509
6761	-122.362	37.718	2167.652	2089093.955	6023254.468	0	RS-700	0.12359735849
6762	-122.362	37.718	2106.499	2089095.340	6023252.586	0	RS-700	-0.26101283019
6763	-122.362	37.718	2177.786	2089096.466	6023250.902	0	RS-700	0.18733113208
6764	-122.362	37.718	2128.980	2089097.703	6023249.162	0	RS-700	-0.11962062893
6765	-122.362	37.718	2484.156	2089098.906	6023247.276	0	RS-700	2.11419169811
6766	-122.362	37.718	2672.356	2089100.039	6023245.245	0	RS-700	1.39693900293
6767	-122.362	37.718	2277.815	2089101.421	6023243.508	0	RS-700	0.23992542522
6768	-122.362	37.718	1755.636	2089102.584	6023241.795	0	RS-700	-1.29139120235
6769	-122.362	37.718	1662.841	2089103.705	6023240.371	0	RS-700	-1.56351692082
6770	-122.362	37.718	2220.040	2089105.198	6023238.520	0	RS-700	0.07049744868
6771	-122.362	37.718	2568.562	2089106.692	6023236.640	0	RS-700	1.09255598240
6772	-122.362	37.718	2373.624	2089108.038	6023234.931	0	RS-700	0.52089123167
6773	-122.362	37.718	2223.357	2089109.343	6023233.395	0	RS-700	0.08022483871
6774	-122.362	37.718	2220.020	2089110.685	6023231.831	0	RS-700	0.07044079179
6775	-122.362	37.718	2187.779	2089112.068	6023230.064	0	RS-700	-0.02410844575
6776	-122.362	37.718	2193.571	2089113.560	6023228.300	0	RS-700	0.28660911950
6777	-122.362	37.718	2105.970	2089115.200	6023226.395	0	RS-700	-0.26433911950
6778	-122.362	37.718	2238.695	2089116.987	6023224.434	0	RS-700	0.57040566038
6779	-122.362	37.718	2191.565	2089118.738	6023222.444	0	RS-700	0.27399641509
6780	-122.362	37.718	2133.192	2089120.420	6023220.279	0	RS-700	-0.09313415094
6781	-122.362	37.718	2091.861	2089122.026	6023218.285	0	RS-700	-0.35307767296
6782	-122.362	37.718	2164.682	2089123.521	6023216.377	0	RS-700	0.10491698113
6783	-122.362	37.718	2126.767	2089125.053	6023214.411	0	RS-700	-0.13354251572
6784	-122.362	37.718	2197.120	2089126.622	6023212.446	0	RS-700	0.30893113208
6785	-122.362	37.718	2149.872	2089128.044	6023210.507	0	RS-700	0.01177459120
6786	-122.362	37.718	2223.689	2089129.466	6023208.597	0	RS-700	0.47603056604
6787	-122.362	37.718	2074.538	2089131.074	6023206.488	0	RS-700	-0.46202459120
6788	-122.362	37.718	2201.460	2089132.720	6023204.293	0	RS-700	0.33622930818
6789	-122.362	37.718	2237.689	2089134.291	6023202.213	0	RS-700	0.56408352201
6790	-122.362	37.718	2157.206	2089135.452	6023200.616	0	RS-700	0.05790238994
6791	-122.362	37.718	2294.176	2089136.574	6023199.105	0	RS-700	0.91934767296
6792	-122.362	37.718	2208.034	2089137.625	6023197.535	0	RS-700	0.37756937107
6793	-122.362	37.718	2160.213	2089138.787	6023195.909	0	RS-700	0.07681220126
6794	-122.362	37.718	2156.449	2089140.027	6023193.995	0	RS-700	0.05313949686

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6795	-122.362	37.718	2169.891	2089141.376	6023192.084	0	RS-700	0.13767729560
6796	-122.362	37.718	2216.120	2089142.613	6023190.286	0	RS-700	0.42842861635
6797	-122.362	37.718	2258.137	2089143.853	6023188.401	0	RS-700	0.69268471698
6798	-122.362	37.718	2223.021	2089145.201	6023186.518	0	RS-700	0.47183182390
6799	-122.362	37.718	2215.579	2089146.624	6023184.579	0	RS-700	0.42502339623
6800	-122.362	37.718	2268.936	2089148.302	6023182.588	0	RS-700	0.76060446541
6801	-122.362	37.718	2364.496	2089149.872	6023180.594	0	RS-700	1.36160817610
6802	-122.362	37.718	2325.946	2089151.326	6023178.887	0	RS-700	1.11915427673
6803	-122.362	37.718	2422.349	2089152.888	6023177.269	0	RS-700	1.72546352201
6804	-122.362	37.718	2333.607	2089154.379	6023175.505	0	RS-700	1.16734157233
6805	-122.362	37.718	2344.847	2089156.021	6023173.541	0	RS-700	1.23803138365
6806	-122.362	37.718	2281.628	2089157.666	6023171.404	0	RS-700	0.84042622642
6807	-122.362	37.718	2278.709	2089159.242	6023169.063	0	RS-700	0.82206691824
6808	-122.362	37.718	2196.913	2089160.747	6023166.663	0	RS-700	0.30762867925
6809	-122.362	37.718	2231.158	2089162.321	6023164.409	0	RS-700	0.52300415094
6810	-122.362	37.718	2143.675	2089163.931	6023162.214	0	RS-700	-0.02720238994
6811	-122.362	37.718	2137.452	2089165.683	6023160.194	0	RS-700	-0.06633761006
6812	-122.362	37.718	2208.682	2089167.431	6023158.349	0	RS-700	0.38164968554
6813	-122.362	37.718	2264.360	2089169.069	6023156.559	0	RS-700	0.73182566038
6814	-122.362	37.718	2164.676	2089170.635	6023154.738	0	RS-700	0.10488226415
6815	-122.362	37.718	2193.791	2089172.386	6023152.748	0	RS-700	0.28799163522
6816	-122.362	37.718	2210.020	2089174.065	6023150.727	0	RS-700	0.39006408805
6817	-122.362	37.718	2210.686	2089175.709	6023148.677	0	RS-700	0.39425427673
6818	-122.362	37.718	2174.895	2089177.282	6023146.452	0	RS-700	0.16914786164
6819	-122.362	37.718	2185.677	2089179.078	6023144.086	0	RS-700	0.23696477987
6820	-122.362	37.718	2284.058	2089180.871	6023141.808	0	RS-700	0.85571283019
6821	-122.362	37.718	2279.041	2089182.477	6023139.815	0	RS-700	0.82415597484
6822	-122.362	37.718	2222.254	2089183.712	6023138.132	0	RS-700	0.46700446541
6823	-122.362	37.718	2243.807	2089184.460	6023137.163	0	RS-700	0.60256037736
6824	-122.362	37.718	2172.456	2089184.348	6023137.277	0	RS-700	0.15380855346
6825	-122.362	37.718	2232.702	2089183.600	6023138.246	0	RS-700	0.53271628931
6826	-122.362	37.718	2206.019	2089183.310	6023138.211	0	RS-700	0.36490062893
6827	-122.362	37.718	2291.705	2089182.484	6023139.439	0	RS-700	0.90380301887
6828	-122.362	37.718	2118.873	2089182.094	6023140.762	0	RS-700	-0.18318987421
6829	-122.362	37.718	2227.135	2089181.778	6023141.970	0	RS-700	0.49770584906
6830	-122.362	37.718	2199.117	2089181.507	6023142.804	0	RS-700	0.32149276730
6831	-122.362	37.718	2231.691	2089181.123	6023143.780	0	RS-700	0.52636106918
6832	-122.362	37.718	2268.364	2089182.068	6023142.034	0	RS-700	0.75700937107
6833	-122.362	37.718	2175.566	2089183.115	6023140.666	0	RS-700	0.17337352201
6834	-122.362	37.718	2292.723	2089184.039	6023140.019	0	RS-700	0.91021018868
6835	-122.362	37.718	2250.373	2089185.423	6023138.166	0	RS-700	0.64385389937
6836	-122.362	37.718	2217.352	2089186.621	6023136.541	0	RS-700	0.43617308176
6837	-122.362	37.718	2340.844	2089187.750	6023134.712	0	RS-700	1.21285264151
6838	-122.362	37.718	2283.933	2089188.737	6023132.678	0	RS-700	0.85492698113
6839	-122.362	37.718	2218.570	2089189.692	6023130.469	0	RS-700	0.44383830189

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6840	-122.362	37.718	2197.134	2089190.647	6023128.203	0	RS-700	0.30902081761
6841	-122.362	37.718	2207.796	2089191.818	6023126.085	0	RS-700	0.37607238994
6842	-122.362	37.718	2268.588	2089193.171	6023124.000	0	RS-700	0.75841742138
6843	-122.362	37.718	2273.816	2089194.706	6023121.890	0	RS-700	0.79129421384
6844	-122.362	37.718	2227.916	2089196.203	6023119.866	0	RS-700	0.50261327044
6845	-122.362	37.718	2196.791	2089197.735	6023117.929	0	RS-700	0.30686075472
6846	-122.362	37.718	2237.242	2089199.268	6023115.905	0	RS-700	0.56127352201
6847	-122.362	37.718	2258.805	2089200.766	6023113.823	0	RS-700	0.69688943396
6848	-122.362	37.718	2280.047	2089202.341	6023111.569	0	RS-700	0.83048603774
6849	-122.362	37.718	2348.962	2089203.878	6023109.372	0	RS-700	1.26391069182
6850	-122.362	37.718	2227.577	2089205.372	6023107.492	0	RS-700	0.50048584906
6851	-122.362	37.718	2229.026	2089206.939	6023105.614	0	RS-700	0.50959578616
6852	-122.362	37.718	2314.833	2089208.511	6023103.476	0	RS-700	1.04926396226
6853	-122.362	37.718	2360.953	2089210.009	6023101.422	0	RS-700	1.33932817610
6854	-122.362	37.718	2285.279	2089211.359	6023099.453	0	RS-700	0.86338773585
6855	-122.362	37.718	2286.177	2089212.782	6023097.485	0	RS-700	0.86903742138
6856	-122.362	37.718	2378.632	2089214.318	6023095.346	0	RS-700	1.45051842767
6857	-122.362	37.718	2311.376	2089215.849	6023093.409	0	RS-700	1.02752213836
6858	-122.362	37.718	2370.497	2089217.493	6023091.330	0	RS-700	1.39935339623
6859	-122.362	37.718	2319.299	2089219.025	6023089.393	0	RS-700	1.07735440252
6860	-122.362	37.718	2291.405	2089220.595	6023087.371	0	RS-700	0.90191647799
6861	-122.362	37.718	2299.050	2089222.201	6023085.377	0	RS-700	0.95000207547
6862	-122.362	37.718	2278.935	2089223.915	6023083.415	0	RS-700	0.82349125786
6863	-122.362	37.718	2326.063	2089225.592	6023081.510	0	RS-700	1.11989509434
6864	-122.362	37.718	2220.689	2089227.230	6023079.692	0	RS-700	0.45716396226
6865	-122.362	37.718	2268.931	2089228.871	6023077.757	0	RS-700	0.76057364780
6866	-122.362	37.718	2203.016	2089230.626	6023075.564	0	RS-700	0.34601490566
6867	-122.362	37.718	2238.227	2089232.345	6023073.400	0	RS-700	0.56746522013
6868	-122.362	37.718	2149.876	2089234.026	6023071.292	0	RS-700	0.01179867925
6869	-122.362	37.718	2199.007	2089235.634	6023069.184	0	RS-700	0.32080157233
6870	-122.362	37.718	2161.785	2089237.060	6023067.071	0	RS-700	0.08669584906
6871	-122.362	37.718	2154.235	2089238.706	6023064.876	0	RS-700	0.03921566038
6872	-122.362	37.718	2107.803	2089240.239	6023062.882	0	RS-700	-0.25280867925
6873	-122.362	37.718	2090.168	2089241.770	6023060.945	0	RS-700	-0.36372371069
6874	-122.362	37.718	2077.055	2089243.300	6023059.095	0	RS-700	-0.44619477987
6875	-122.362	37.718	2096.444	2089244.978	6023057.132	0	RS-700	-0.32425383648
6876	-122.362	37.718	2165.676	2089246.658	6023055.054	0	RS-700	0.11117144654
6877	-122.362	37.718	2131.779	2089248.190	6023053.117	0	RS-700	-0.10201641509
6878	-122.362	37.718	2195.683	2089249.869	6023051.096	0	RS-700	0.29989547170
6879	-122.362	37.718	2190.678	2089251.588	6023048.903	0	RS-700	0.26841754717
6880	-122.362	37.718	2168.208	2089253.305	6023046.825	0	RS-700	0.12709188679
6881	-122.362	37.718	2195.337	2089254.910	6023044.832	0	RS-700	0.29771974843
6882	-122.362	37.718	2118.224	2089256.480	6023042.809	0	RS-700	-0.18727037736
6883	-122.362	37.718	2151.767	2089258.016	6023040.670	0	RS-700	0.02368987421
6884	-122.362	37.718	2166.769	2089259.590	6023038.445	0	RS-700	0.11804528302



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6885	-122.362	37.718	2262.168	2089261.201	6023036.162	0	RS-700	0.71803610063
6886	-122.362	37.718	2237.350	2089262.738	6023033.994	0	RS-700	0.56194761006
6887	-122.362	37.718	2289.054	2089264.126	6023031.968	0	RS-700	0.88713276730
6888	-122.362	37.718	2162.998	2089265.620	6023030.088	0	RS-700	0.09432710692
6889	-122.362	37.718	2169.998	2089267.117	6023028.035	0	RS-700	0.13835477987
6890	-122.362	37.718	2183.345	2089268.317	6023026.323	0	RS-700	0.22229534591
6891	-122.362	37.718	2110.864	2089269.510	6023024.929	0	RS-700	-0.23355974843
6892	-122.362	37.718	2174.583	2089270.704	6023023.478	0	RS-700	0.16719157233
6893	-122.362	37.718	2164.208	2089271.602	6023022.281	0	RS-700	0.10193672956
6894	-122.362	37.718	2092.541	2089272.350	6023021.283	0	RS-700	-0.34879748428
6895	-122.362	37.718	2246.692	2089273.523	6023019.079	0	RS-700	0.62070679245
6896	-122.362	37.718	2220.575	2089274.353	6023017.620	0	RS-700	0.45644377359
6897	-122.362	37.718	2285.594	2089275.254	6023016.307	0	RS-700	0.86537006289
6898	-122.362	37.718	2127.763	2089276.082	6023014.964	0	RS-700	-0.12727364780
6899	-122.362	37.718	2200.898	2089277.209	6023013.192	0	RS-700	0.33268955975
6900	-122.362	37.718	2152.472	2089278.633	6023011.225	0	RS-700	0.02812427673
6901	-122.362	37.718	2333.303	2089280.272	6023009.377	0	RS-700	1.16542792453
6902	-122.362	37.718	2231.576	2089281.909	6023007.645	0	RS-700	0.52563830189
6903	-122.362	37.718	2273.705	2089283.360	6023006.082	0	RS-700	0.79059679245
6904	-122.362	37.718	2253.678	2089284.702	6023004.547	0	RS-700	0.66463981132
6905	-122.362	37.718	2243.694	2089286.119	6023002.897	0	RS-700	0.60184779874
6906	-122.362	37.718	2221.924	2089287.429	6023001.101	0	RS-700	0.46493138365
6907	-122.362	37.718	2228.246	2089288.633	6022999.157	0	RS-700	0.50468955975
6908	-122.362	37.718	2243.912	2089289.693	6022997.153	0	RS-700	0.60321779874
6909	-122.362	37.718	2280.161	2089290.712	6022995.322	0	RS-700	0.83119943396
6910	-122.362	37.718	2233.031	2089291.765	6022993.694	0	RS-700	0.53478446541
6911	-122.362	37.718	2256.814	2089292.629	6022992.323	0	RS-700	0.68436452830
6912	-122.362	37.718	2275.594	2089293.605	6022990.895	0	RS-700	0.80247880503
6913	-122.362	37.718	2229.360	2089294.581	6022989.411	0	RS-700	0.51169496855
6914	-122.362	37.718	2276.707	2089295.557	6022987.954	0	RS-700	0.80948062893
6915	-122.363	37.718	2166.104	2089296.788	6022986.504	0	RS-700	0.11385880503
6916	-122.363	37.718	2260.282	2089298.351	6022984.799	0	RS-700	0.70617314465
6917	-122.363	37.718	2243.030	2089300.059	6022983.155	0	RS-700	0.59767433962
6918	-122.363	37.718	2131.662	2089301.693	6022981.596	0	RS-700	-0.10275327044
6919	-122.363	37.718	2266.706	2089303.181	6022980.006	0	RS-700	0.74658125786
6920	-122.363	37.718	2211.573	2089304.634	6022978.357	0	RS-700	0.39982955975
6921	-122.363	37.718	2350.604	2089305.979	6022976.648	0	RS-700	1.27423955975
6922	-122.363	37.718	2240.254	2089307.397	6022974.940	0	RS-700	0.58021547170
6923	-122.363	37.718	2313.179	2089308.742	6022973.260	0	RS-700	1.03886100629
6924	-122.363	37.718	2303.639	2089310.044	6022971.897	0	RS-700	0.97886132076
6925	-122.363	37.718	2228.130	2089310.895	6022971.220	0	RS-700	0.50395955975
6926	-122.363	37.718	2219.802	2089311.374	6022970.911	0	RS-700	0.45158427673
6927	-122.363	37.718	2315.715	2089311.744	6022970.658	0	RS-700	1.05481106918
6928	-122.363	37.718	2172.567	2089312.740	6022970.013	0	RS-700	0.15451012579
6929	-122.363	37.718	2282.941	2089313.440	6022969.593	0	RS-700	0.84868352201

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6930	-122.363	37.718	2285.165	2089313.735	6022969.396	0	RS-700	0.86267383648
6931	-122.363	37.718	2221.241	2089313.587	6022969.509	0	RS-700	0.46063345912
6932	-122.363	37.718	2166.892	2089313.220	6022969.675	0	RS-700	0.11881968554
6933	-122.363	37.718	2191.666	2089312.374	6022970.092	0	RS-700	0.27463125786
6934	-122.363	37.718	2210.347	2089311.599	6022970.598	0	RS-700	0.39211754717
6935	-122.363	37.718	2315.066	2089311.003	6022971.251	0	RS-700	1.05073006289
6936	-122.363	37.718	2236.153	2089310.627	6022971.851	0	RS-700	0.55442138365
6937	-122.363	37.718	2287.285	2089310.476	6022972.137	0	RS-700	0.87600421384
6938	-122.363	37.718	2218.463	2089310.475	6022972.166	0	RS-700	0.44316056604
6939	-122.363	37.718	2242.584	2089310.438	6022972.223	0	RS-700	0.59486540881
6940	-122.363	37.718	2283.834	2089310.438	6022972.223	0	RS-700	0.85430075472
6941	-122.363	37.718	2314.602	2089310.474	6022972.253	0	RS-700	1.04781176101
6942	-122.363	37.718	2301.599	2089310.474	6022972.253	0	RS-700	0.96603371069
6943	-122.363	37.718	2170.878	2089310.474	6022972.253	0	RS-700	0.14388855346
6944	-122.363	37.718	2214.131	2089310.473	6022972.282	0	RS-700	0.41591641509
6945	-122.363	37.718	2224.689	2089310.436	6022972.339	0	RS-700	0.48232031447
6946	-122.363	37.718	2296.056	2089310.434	6022972.397	0	RS-700	0.93117138365
6947	-122.363	37.718	2249.698	2089310.321	6022972.626	0	RS-700	0.63961289308
6948	-122.363	37.718	2251.061	2089310.130	6022973.027	0	RS-700	0.64818176101
6949	-122.363	37.718	2138.443	2089309.866	6022973.514	0	RS-700	-0.06010666667
6950	-122.363	37.718	2280.727	2089309.524	6022974.201	0	RS-700	0.83476238994
6951	-122.363	37.718	2263.850	2089309.218	6022974.948	0	RS-700	0.72861641509
6952	-122.363	37.718	2115.647	2089308.909	6022975.867	0	RS-700	-0.20347572327
6953	-122.363	37.718	2222.691	2089308.815	6022976.907	0	RS-700	0.46975213837
6954	-122.363	37.718	2201.462	2089308.826	6022978.180	0	RS-700	0.33623685535
6955	-122.363	37.718	2259.161	2089308.875	6022979.367	0	RS-700	0.69912289308
6956	-122.363	37.718	2310.602	2089309.032	6022980.643	0	RS-700	1.02265138365
6957	-122.363	37.718	2254.040	2089309.042	6022981.974	0	RS-700	0.66691823899
6958	-122.363	37.718	2285.280	2089308.722	6022983.385	0	RS-700	0.86339855346
6959	-122.363	37.718	2293.599	2089308.113	6022984.733	0	RS-700	0.91571465409
6960	-122.363	37.718	2325.069	2089307.247	6022986.133	0	RS-700	1.11364345912
6961	-122.363	37.718	2265.379	2089306.346	6022987.504	0	RS-700	0.73823062893
6962	-122.362	37.718	2292.947	2089305.374	6022988.786	0	RS-700	0.91161754717
6963	-122.362	37.718	2271.580	2089304.293	6022990.009	0	RS-700	0.77723320755
6964	-122.362	37.718	2238.033	2089303.249	6022991.232	0	RS-700	0.56624289308
6965	-122.362	37.718	2310.069	2089302.242	6022992.427	0	RS-700	1.01929987421
6966	-122.362	37.718	2184.457	2089301.268	6022993.796	0	RS-700	0.22929226415
6967	-122.362	37.718	2356.610	2089300.402	6022995.226	0	RS-700	1.31201069182
6968	-122.362	37.718	2279.594	2089299.721	6022996.514	0	RS-700	0.82763503145
6969	-122.362	37.718	2297.050	2089299.008	6022997.541	0	RS-700	0.93742220126
6970	-122.362	37.718	2276.052	2089298.147	6022998.710	0	RS-700	0.80535578616
6971	-122.362	37.718	2303.714	2089297.173	6023000.079	0	RS-700	0.97933591195
6972	-122.362	37.718	2257.133	2089296.164	6023001.390	0	RS-700	0.68637012579
6973	-122.362	37.718	2256.815	2089295.228	6023002.644	0	RS-700	0.68437169811
6974	-122.362	37.718	2341.199	2089294.403	6023003.872	0	RS-700	1.21508817610

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6975	-122.362	37.718	2375.841	2089293.611	6023005.245	0	RS-700	1.43295955975
6976	-122.362	37.718	2135.977	2089292.891	6023006.619	0	RS-700	-0.07561742138
6977	-122.362	37.718	2352.201	2089291.988	6023008.077	0	RS-700	1.28428396226
6978	-122.362	37.718	2225.467	2089290.941	6023009.473	0	RS-700	0.48721452830
6979	-122.362	37.718	2186.224	2089289.935	6023010.611	0	RS-700	0.24040402516
6980	-122.362	37.718	2264.253	2089288.963	6023011.864	0	RS-700	0.73114855346
6981	-122.362	37.718	2364.196	2089287.954	6023013.146	0	RS-700	1.35972207547
6982	-122.362	37.718	2263.815	2089287.091	6023014.402	0	RS-700	0.72839547170
6983	-122.362	37.718	2206.136	2089286.269	6023015.485	0	RS-700	0.36563364780
6984	-122.362	37.718	2230.794	2089285.338	6023016.508	0	RS-700	0.52071716981
6985	-122.362	37.718	2233.476	2089284.371	6023017.501	0	RS-700	0.53758245283
6986	-122.362	37.718	2198.462	2089283.295	6023018.521	0	RS-700	0.31737389937
6987	-122.362	37.718	2286.586	2089282.327	6023019.543	0	RS-700	0.87160962264
6988	-122.362	37.718	2162.213	2089281.471	6023020.510	0	RS-700	0.08938786164
6989	-122.362	37.718	2289.739	2089280.796	6023021.451	0	RS-700	0.89144113208
6990	-122.362	37.718	2129.447	2089280.233	6023022.308	0	RS-700	-0.11668553459
6991	-122.362	37.718	2215.125	2089279.670	6023023.164	0	RS-700	0.42216786164
6992	-122.362	37.718	2106.859	2089279.181	6023023.907	0	RS-700	-0.25874654088
6993	-122.362	37.718	2222.570	2089278.581	6023024.792	0	RS-700	0.46899433962
6994	-122.362	37.718	2243.269	2089277.982	6023025.590	0	RS-700	0.59917515723
6995	-122.362	37.718	2197.676	2089277.457	6023026.360	0	RS-700	0.31242886793
6996	-122.362	37.718	2284.165	2089276.856	6023027.274	0	RS-700	0.85638194969
6997	-122.362	37.718	2156.775	2089276.067	6023028.503	0	RS-700	0.05518761006
6998	-122.362	37.718	2270.594	2089275.277	6023029.789	0	RS-700	0.77103075472
6999	-122.362	37.718	2244.822	2089274.561	6023030.989	0	RS-700	0.60894289308
7000	-122.362	37.718	2123.769	2089273.844	6023032.219	0	RS-700	-0.15239440252
7001	-122.362	37.718	2148.234	2089273.053	6023033.534	0	RS-700	0.00147251572
7002	-122.362	37.718	2283.276	2089272.265	6023034.705	0	RS-700	0.85079163522
7003	-122.362	37.718	2029.335	2089271.402	6023036.018	0	RS-700	-0.74631779874
7004	-122.362	37.718	2167.683	2089270.575	6023037.275	0	RS-700	0.12379012579
7005	-122.362	37.718	2093.653	2089269.865	6023038.186	0	RS-700	-0.34180503145
7006	-122.362	37.718	2177.566	2089269.119	6023039.068	0	RS-700	0.18594830189
7007	-122.362	37.718	2201.796	2089268.297	6023040.151	0	RS-700	0.33834125786
7008	-122.362	37.718	2217.016	2089267.510	6023041.264	0	RS-700	0.43406257862
7009	-122.362	37.718	2198.119	2089266.682	6023042.578	0	RS-700	0.31521402516
7010	-122.362	37.718	2187.769	2089265.933	6023043.605	0	RS-700	0.25011981132
7011	-122.362	37.718	2192.673	2089265.149	6023044.573	0	RS-700	0.28096396226
7012	-122.362	37.718	2131.886	2089264.328	6023045.569	0	RS-700	-0.10134679245
7013	-122.362	37.718	2099.755	2089263.433	6023046.651	0	RS-700	-0.30342610063
7014	-122.362	37.718	2146.634	2089262.533	6023047.935	0	RS-700	-0.00859006289
7015	-122.362	37.718	2159.864	2089261.706	6023049.220	0	RS-700	0.07461830189
7016	-122.362	37.718	2100.440	2089260.918	6023050.419	0	RS-700	-0.29911773585
7017	-122.362	37.718	2129.195	2089260.208	6023051.331	0	RS-700	-0.11826968554
7018	-122.362	37.718	2153.463	2089259.498	6023052.214	0	RS-700	0.03435798742
7019	-122.362	37.718	2177.781	2089258.753	6023053.067	0	RS-700	0.18729911950

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7020	-122.362	37.718	2111.553	2089257.821	6023054.119	0	RS-700	-0.22922691824
7021	-122.362	37.718	2113.858	2089256.813	6023055.371	0	RS-700	-0.21472679245
7022	-122.362	37.718	2044.838	2089255.914	6023056.626	0	RS-700	-0.64882031447
7023	-122.362	37.718	2021.829	2089255.051	6023057.911	0	RS-700	-0.79353018868
7024	-122.362	37.718	1954.903	2089254.112	6023059.310	0	RS-700	-1.21444396226
7025	-122.362	37.718	2046.532	2089253.211	6023060.681	0	RS-700	-0.63816056604
7026	-122.362	37.718	2123.192	2089252.314	6023061.820	0	RS-700	-0.15602748428
7027	-122.362	37.718	2180.785	2089251.382	6023062.901	0	RS-700	0.20619440252
7028	-122.362	37.718	2294.956	2089250.376	6023064.067	0	RS-700	0.92425446541
7029	-122.362	37.718	2156.775	2089249.515	6023065.236	0	RS-700	0.05519150943
7030	-122.362	37.718	2220.372	2089248.658	6023066.203	0	RS-700	0.45516729560
7031	-122.362	37.718	2100.281	2089247.839	6023067.083	0	RS-700	-0.30011911950
7032	-122.362	37.718	1994.819	2089246.800	6023068.075	0	RS-700	-0.96340044025
7033	-122.362	37.718	2151.515	2089245.836	6023068.924	0	RS-700	0.02210666667
7034	-122.362	37.718	2158.994	2089244.872	6023069.772	0	RS-700	0.06914264151
7035	-122.362	37.718	2136.447	2089244.017	6023070.681	0	RS-700	-0.07265767296
7036	-122.362	37.718	2139.563	2089243.159	6023071.706	0	RS-700	-0.05306251572
7037	-122.362	37.718	2181.113	2089242.300	6023072.759	0	RS-700	0.20825553459
7038	-122.362	37.718	2205.796	2089241.478	6023073.813	0	RS-700	0.36349899371
7039	-122.362	37.718	2228.914	2089240.582	6023074.894	0	RS-700	0.50889113208
7040	-122.362	37.718	2220.133	2089239.722	6023076.006	0	RS-700	0.45366836478
7041	-122.362	37.718	2282.820	2089238.791	6023077.058	0	RS-700	0.84792314465
7042	-122.362	37.718	2347.317	2089237.896	6023078.110	0	RS-700	1.25356597484
7043	-122.362	37.718	2345.739	2089237.113	6023079.049	0	RS-700	1.24364169811
7044	-122.362	37.718	2456.639	2089236.326	6023080.133	0	RS-700	1.94112603774
7045	-122.362	37.718	2364.081	2089235.538	6023081.303	0	RS-700	1.35899798742
7046	-122.362	37.718	2373.854	2089234.786	6023082.475	0	RS-700	1.42046666667
7047	-122.362	37.718	2458.134	2089234.180	6023083.678	0	RS-700	1.95052874214
7048	-122.362	37.718	2398.704	2089233.576	6023084.736	0	RS-700	1.57675748428
7049	-122.362	37.718	2365.089	2089232.862	6023085.850	0	RS-700	1.36533930818
7050	-122.362	37.718	2407.591	2089232.111	6023086.992	0	RS-700	1.63264578616
7051	-122.362	37.718	2335.839	2089231.324	6023088.105	0	RS-700	1.18137610063
7052	-122.362	37.718	2216.760	2089230.463	6023089.245	0	RS-700	0.43245245283
7053	-122.362	37.718	2329.077	2089229.607	6023090.211	0	RS-700	1.13884823899
7054	-122.362	37.718	2276.819	2089228.824	6023091.093	0	RS-700	0.81018402516
7055	-122.362	37.718	2415.202	2089227.968	6023092.030	0	RS-700	1.68051452830
7056	-122.362	37.718	2252.578	2089227.111	6023093.026	0	RS-700	0.65772295598
7057	-122.362	37.718	2360.968	2089226.365	6023093.908	0	RS-700	1.33942220126
7058	-122.362	37.718	2362.082	2089225.618	6023094.819	0	RS-700	1.34642547170
7059	-122.362	37.718	2425.119	2089224.980	6023095.790	0	RS-700	1.74288383648
7060	-122.362	37.718	2381.625	2089224.379	6023096.675	0	RS-700	1.46933874214
7061	-122.362	37.718	2415.214	2089223.927	6023097.447	0	RS-700	1.68059226415
7062	-122.362	37.718	2482.896	2089223.362	6023098.361	0	RS-700	2.10626157233
7063	-122.362	37.718	2451.251	2089222.760	6023099.333	0	RS-700	1.90723735849
7064	-122.362	37.718	2478.566	2089222.012	6023100.331	0	RS-700	2.07903364780

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7065	-122.362	37.718	2362.968	2089221.081	6023101.382	0	RS-700	1.35200289308
7066	-122.362	37.718	2370.853	2089220.151	6023102.348	0	RS-700	1.40159383648
7067	-122.362	37.718	2413.229	2089219.183	6023103.428	0	RS-700	1.66810754717
7068	-122.362	37.718	2382.454	2089218.178	6023104.507	0	RS-700	1.47455062893
7069	-122.362	37.718	2277.382	2089217.319	6023105.560	0	RS-700	0.81372044025
7070	-122.362	37.718	2345.433	2089216.428	6023106.410	0	RS-700	1.24171836478
7071	-122.362	37.718	2281.935	2089215.573	6023107.290	0	RS-700	0.84235962264
7072	-122.362	37.718	2358.081	2089214.828	6023108.114	0	RS-700	1.32126641509
7073	-122.362	37.718	2384.699	2089214.157	6023108.911	0	RS-700	1.48867289308
7074	-122.362	37.718	2457.256	2089213.484	6023109.766	0	RS-700	1.94500704403
7075	-122.362	37.718	2357.321	2089212.811	6023110.649	0	RS-700	1.31648584906
7076	-122.362	37.718	2298.943	2089212.025	6023111.733	0	RS-700	0.94932899371
7077	-122.362	37.718	2273.945	2089211.241	6023112.701	0	RS-700	0.79210421384
7078	-122.362	37.718	2328.956	2089210.459	6023113.582	0	RS-700	1.13808603774
7079	-122.362	37.718	2263.818	2089209.640	6023114.463	0	RS-700	0.72841383648
7080	-122.362	37.718	2245.698	2089209.044	6023115.116	0	RS-700	0.61445471698
7081	-122.362	37.718	2127.554	2089208.525	6023115.569	0	RS-700	-0.12859389937
7082	-122.362	37.718	2210.798	2089208.227	6023115.910	0	RS-700	0.39495553459
7083	-122.362	37.718	2278.931	2089208.077	6023116.109	0	RS-700	0.82346773585
7084	-122.362	37.718	2238.061	2089208.078	6023116.081	0	RS-700	0.56642176101
7085	-122.362	37.718	2271.813	2089208.078	6023116.081	0	RS-700	0.77869679245
7086	-122.362	37.718	2229.593	2089208.078	6023116.081	0	RS-700	0.51316138365
7087	-122.362	37.718	2237.695	2089208.042	6023116.080	0	RS-700	0.56411735849
7088	-122.362	37.718	2231.915	2089208.042	6023116.051	0	RS-700	0.52776962264
7089	-122.362	37.718	2278.822	2089208.042	6023116.051	0	RS-700	0.82277943396
7090	-122.362	37.718	2291.711	2089208.006	6023116.050	0	RS-700	0.90384440252
7091	-122.362	37.718	2233.914	2089208.006	6023116.050	0	RS-700	0.54033660377
7092	-122.362	37.718	2155.776	2089208.006	6023116.021	0	RS-700	0.04890685535
7093	-122.362	37.718	2285.046	2089208.006	6023116.021	0	RS-700	0.86192522013
7094	-122.362	37.718	2226.473	2089208.006	6023116.021	0	RS-700	0.49354389937
7095	-122.362	37.718	2357.201	2089208.006	6023116.021	0	RS-700	1.31572911950
7096	-122.362	37.718	2156.997	2089207.970	6023116.021	0	RS-700	0.05658408805
7097	-122.362	37.718	2242.037	2089207.970	6023116.021	0	RS-700	0.59142616352
7098	-122.362	37.718	2205.570	2089207.970	6023116.021	0	RS-700	0.36207628931
7099	-122.362	37.718	2265.815	2089207.970	6023116.021	0	RS-700	0.74097773585
7100	-122.362	37.718	2228.473	2089207.970	6023116.021	0	RS-700	0.50612213837
7101	-122.362	37.718	2235.579	2089207.971	6023115.992	0	RS-700	0.55081377359
7102	-122.362	37.718	2164.561	2089207.934	6023115.991	0	RS-700	0.10415849057
7103	-122.362	37.718	2176.785	2089207.934	6023115.991	0	RS-700	0.18103735849
7104	-122.362	37.718	2249.032	2089207.934	6023115.991	0	RS-700	0.63542427673
7105	-122.362	37.718	2217.904	2089207.934	6023115.991	0	RS-700	0.43965000000
7106	-122.362	37.718	2319.728	2089207.934	6023115.991	0	RS-700	1.08005132075
7107	-122.362	37.718	2235.704	2089207.971	6023115.992	0	RS-700	0.55159861635
7108	-122.362	37.718	2272.933	2089207.934	6023115.991	0	RS-700	0.78574289308
7109	-122.362	37.718	2325.727	2089207.935	6023115.962	0	RS-700	1.11777779874

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7110	-122.362	37.718	2202.572	2089207.935	6023115.962	0	RS-700	0.34321842767
7111	-122.362	37.718	2356.783	2089207.935	6023115.962	0	RS-700	1.31310194969
7112	-122.362	37.718	2237.807	2089207.935	6023115.962	0	RS-700	0.56482251572
7113	-122.362	37.718	2246.695	2089207.935	6023115.933	0	RS-700	0.62072477987
7114	-122.362	37.718	2163.439	2089207.935	6023115.962	0	RS-700	0.09710163522
7115	-122.362	37.718	2225.045	2089207.935	6023115.962	0	RS-700	0.48455698113
7116	-122.362	37.718	2278.593	2089207.935	6023115.962	0	RS-700	0.82134094340
7117	-122.362	37.718	2201.793	2089207.935	6023115.962	0	RS-700	0.33831773585
7118	-122.362	37.718	2314.605	2089207.935	6023115.962	0	RS-700	1.04783018868
7119	-122.362	37.718	2268.916	2089207.935	6023115.933	0	RS-700	0.76047534591
7120	-122.362	37.718	2210.796	2089207.935	6023115.933	0	RS-700	0.39494465409
7121	-122.362	37.718	2247.921	2089207.935	6023115.933	0	RS-700	0.62843591195
7122	-122.362	37.718	2294.828	2089207.936	6023115.904	0	RS-700	0.92344415094
7123	-122.362	37.718	2193.692	2089207.900	6023115.903	0	RS-700	0.28736880503
7124	-122.362	37.718	2329.834	2089207.900	6023115.903	0	RS-700	1.14360710692
7125	-122.362	37.718	2293.594	2089207.899	6023115.932	0	RS-700	0.91568830189
7126	-122.362	37.718	2333.898	2089207.900	6023115.903	0	RS-700	1.16916710692
7127	-122.362	37.718	2256.587	2089207.900	6023115.903	0	RS-700	0.68293761006
7128	-122.362	37.718	2231.913	2089207.900	6023115.903	0	RS-700	0.52775496855
7129	-122.362	37.718	2224.148	2089207.900	6023115.903	0	RS-700	0.47891893082
7130	-122.362	37.718	2239.476	2089207.900	6023115.874	0	RS-700	0.57532295598
7131	-122.362	37.718	2274.161	2089207.936	6023115.904	0	RS-700	0.79346836478
7132	-122.362	37.718	2279.590	2089207.936	6023115.904	0	RS-700	0.82761213837
7133	-122.362	37.718	2250.924	2089207.936	6023115.904	0	RS-700	0.64731817610
7134	-122.362	37.718	2266.938	2089207.936	6023115.875	0	RS-700	0.74803691824
7135	-122.362	37.718	2223.806	2089207.936	6023115.875	0	RS-700	0.47677037736
7136	-122.362	37.718	2231.468	2089207.937	6023115.846	0	RS-700	0.52495591195
7137	-122.362	37.718	2189.225	2089207.937	6023115.846	0	RS-700	0.25927427673
7138	-122.362	37.718	2206.788	2089207.937	6023115.846	0	RS-700	0.36973628931
7139	-122.362	37.718	2224.249	2089207.974	6023115.818	0	RS-700	0.47955232704
7140	-122.362	37.718	2177.567	2089207.937	6023115.846	0	RS-700	0.18595584906
7141	-122.362	37.718	2273.933	2089207.937	6023115.846	0	RS-700	0.79203138365
7142	-122.362	37.718	2202.015	2089207.937	6023115.846	0	RS-700	0.33971484277
7143	-122.362	37.718	2296.591	2089207.937	6023115.846	0	RS-700	0.93453220126
7144	-122.362	37.718	2195.902	2089207.937	6023115.846	0	RS-700	0.30126918239
7145	-122.362	37.718	2226.795	2089207.937	6023115.846	0	RS-700	0.49556522013
7146	-122.362	37.718	2310.063	2089207.899	6023115.932	0	RS-700	1.01926528302
7147	-122.362	37.718	2209.685	2089207.637	6023116.274	0	RS-700	0.38795283019
7148	-122.362	37.718	2204.575	2089207.338	6023116.644	0	RS-700	0.35581547170
7149	-122.362	37.718	2289.825	2089206.927	6023117.186	0	RS-700	0.89197836478
7150	-122.362	37.718	2154.668	2089206.367	6023117.869	0	RS-700	0.04194006289
7151	-122.362	37.718	2234.694	2089205.844	6023118.524	0	RS-700	0.54524471698
7152	-122.362	37.718	2257.157	2089205.283	6023119.294	0	RS-700	0.68652188679
7153	-122.362	37.718	2303.937	2089204.794	6023120.065	0	RS-700	0.98073880503
7154	-122.362	37.718	2156.779	2089204.344	6023120.722	0	RS-700	0.05521503145

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7155	-122.362	37.718	2242.135	2089203.782	6023121.521	0	RS-700	0.59204440252
7156	-122.362	37.718	2245.701	2089203.185	6023122.203	0	RS-700	0.61447477987
7157	-122.362	37.718	2243.808	2089202.663	6023122.829	0	RS-700	0.60256597484
7158	-122.362	37.718	2224.692	2089202.291	6023123.227	0	RS-700	0.48233899371
7159	-122.362	37.718	2305.930	2089202.178	6023123.398	0	RS-700	0.99326974843
7160	-122.362	37.718	2237.153	2089202.178	6023123.398	0	RS-700	0.56071025157
7161	-122.362	37.718	2203.574	2089202.141	6023123.455	0	RS-700	0.34952264151
7162	-122.362	37.718	2281.048	2089202.104	6023123.483	0	RS-700	0.83677842767
7163	-122.362	37.718	2242.014	2089202.104	6023123.455	0	RS-700	0.59128345912
7164	-122.362	37.718	2222.245	2089202.104	6023123.455	0	RS-700	0.46695138365
7165	-122.362	37.718	2269.611	2089202.104	6023123.455	0	RS-700	0.76485138365
7166	-122.362	37.718	2231.358	2089202.104	6023123.455	0	RS-700	0.52426452830
7167	-122.362	37.718	2299.831	2089202.142	6023123.397	0	RS-700	0.95490905660
7168	-122.362	37.718	2292.958	2089202.142	6023123.369	0	RS-700	0.91168855346
7169	-122.362	37.718	2279.051	2089202.178	6023123.398	0	RS-700	0.82421798742
7170	-122.362	37.718	2261.155	2089202.142	6023123.397	0	RS-700	0.71166559748
7171	-122.362	37.718	2158.668	2089202.179	6023123.340	0	RS-700	0.06709352201
7172	-122.362	37.718	2309.722	2089202.180	6023123.311	0	RS-700	1.01712245283
7173	-122.362	37.718	2303.832	2089202.179	6023123.340	0	RS-700	0.98007641509
7174	-122.362	37.718	2193.009	2089202.180	6023123.311	0	RS-700	0.28307465409
7175	-122.362	37.718	2249.035	2089202.142	6023123.397	0	RS-700	0.63544295598
7176	-122.362	37.718	2255.043	2089202.141	6023123.426	0	RS-700	0.67322496855
7177	-122.362	37.718	2216.467	2089202.141	6023123.426	0	RS-700	0.43061000000
7178	-122.362	37.718	2274.593	2089202.141	6023123.455	0	RS-700	0.79617987421
7179	-122.362	37.718	2280.936	2089202.141	6023123.455	0	RS-700	0.83607716981
7180	-122.362	37.718	2208.686	2089202.178	6023123.427	0	RS-700	0.38167421384
7181	-122.362	37.718	2243.809	2089202.178	6023123.398	0	RS-700	0.60256993711
7182	-122.362	37.718	2182.688	2089202.365	6023123.170	0	RS-700	0.21816295598
7183	-122.362	37.718	2279.053	2089202.515	6023122.971	0	RS-700	0.82422981132
7184	-122.362	37.718	2237.247	2089202.177	6023123.485	0	RS-700	0.56130276730
7185	-122.362	37.718	2337.491	2089201.541	6023124.311	0	RS-700	1.19176654088
7186	-122.362	37.718	2385.702	2089200.867	6023125.253	0	RS-700	1.49498150943
7187	-122.362	37.718	2341.667	2089200.153	6023126.367	0	RS-700	1.21803421384
7188	-122.362	37.718	2277.929	2089199.476	6023127.424	0	RS-700	0.81716207547
7189	-122.362	37.718	2327.607	2089198.766	6023128.335	0	RS-700	1.12960364780
7190	-122.362	37.718	2242.933	2089197.945	6023129.331	0	RS-700	0.59706566038
7191	-122.362	37.718	2301.059	2089197.160	6023130.328	0	RS-700	0.96263415094
7192	-122.362	37.718	2379.866	2089196.413	6023131.268	0	RS-700	1.45827553459
7193	-122.362	37.718	2388.741	2089196.151	6023131.639	0	RS-700	1.51409301887
7194	-122.362	37.718	2298.277	2089196.039	6023131.781	0	RS-700	0.94513867925
7195	-122.362	37.718	2319.947	2089196.039	6023131.753	0	RS-700	1.08142628931
7196	-122.362	37.718	2316.989	2089196.039	6023131.753	0	RS-700	1.06282106918
7197	-122.362	37.718	2383.978	2089196.039	6023131.753	0	RS-700	1.48413811321
7198	-122.362	37.718	2265.835	2089196.003	6023131.752	0	RS-700	0.74109949686
7199	-122.362	37.718	2336.850	2089196.003	6023131.752	0	RS-700	1.18773572327

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7200	-122.362	37.718	2350.966	2089196.002	6023131.781	0	RS-700	1.27651496855
7201	-122.362	37.718	2234.806	2089196.002	6023131.781	0	RS-700	0.54594836478
7202	-122.362	37.718	2339.200	2089196.002	6023131.781	0	RS-700	1.20251754717
7203	-122.362	37.718	2235.145	2089196.002	6023131.781	0	RS-700	0.54808144654
7204	-122.362	37.718	2267.173	2089196.002	6023131.781	0	RS-700	0.74951566038
7205	-122.362	37.718	2258.495	2089195.966	6023131.780	0	RS-700	0.69493572327
7206	-122.362	37.718	2325.137	2089195.966	6023131.780	0	RS-700	1.11407150943
7207	-122.362	37.718	2328.641	2089195.966	6023131.751	0	RS-700	1.13610786164
7208	-122.362	37.718	2331.377	2089195.966	6023131.751	0	RS-700	1.15331402516
7209	-122.362	37.718	2395.623	2089195.966	6023131.751	0	RS-700	1.55737811321
7210	-122.362	37.718	2416.510	2089195.930	6023131.779	0	RS-700	1.68873937107
7211	-122.362	37.718	2317.300	2089195.930	6023131.779	0	RS-700	1.06477943396
7212	-122.362	37.718	2348.955	2089195.930	6023131.779	0	RS-700	1.26386805031
7213	-122.362	37.718	2259.583	2089195.893	6023131.779	0	RS-700	0.70178232704
7214	-122.362	37.718	2305.177	2089195.893	6023131.779	0	RS-700	0.98853163522
7215	-122.362	37.718	2304.527	2089195.893	6023131.779	0	RS-700	0.98444446541
7216	-122.362	37.718	2257.927	2089195.894	6023131.750	0	RS-700	0.69136339623
7217	-122.362	37.718	2252.388	2089195.894	6023131.750	0	RS-700	0.65652779874
7218	-122.362	37.718	2376.499	2089195.894	6023131.750	0	RS-700	1.43710176101
7219	-122.362	37.718	2382.347	2089195.894	6023131.750	0	RS-700	1.47388264151
7220	-122.362	37.718	2286.280	2089195.820	6023131.777	0	RS-700	0.86968754717
7221	-122.362	37.718	2275.045	2089195.633	6023132.034	0	RS-700	0.79902660377
7222	-122.362	37.718	2300.941	2089195.333	6023132.462	0	RS-700	0.96189157233
7223	-122.362	37.718	2380.993	2089195.147	6023132.661	0	RS-700	1.46536616352
7224	-122.362	37.718	2299.648	2089195.147	6023132.661	0	RS-700	0.95376025157
7225	-122.362	37.718	2258.594	2089195.147	6023132.661	0	RS-700	0.69556264151
7226	-122.362	37.718	2275.699	2089195.111	6023132.660	0	RS-700	0.80313911950
7227	-122.362	37.718	2385.101	2089195.111	6023132.660	0	RS-700	1.49120276730
7228	-122.362	37.718	2278.821	2089195.111	6023132.660	0	RS-700	0.82277591195
7229	-122.362	37.718	2357.318	2089195.074	6023132.659	0	RS-700	1.31646358491
7230	-122.362	37.718	2294.820	2089195.074	6023132.659	0	RS-700	0.92339880503
7231	-122.362	37.718	2236.577	2089195.074	6023132.659	0	RS-700	0.55708496855
7232	-122.362	37.718	2259.475	2089195.038	6023132.658	0	RS-700	0.70109905660
7233	-122.362	37.718	2272.042	2089195.001	6023132.687	0	RS-700	0.78013597484
7234	-122.362	37.718	2285.164	2089195.001	6023132.687	0	RS-700	0.86266911950
7235	-122.362	37.718	2310.415	2089195.001	6023132.687	0	RS-700	1.02147509434
7236	-122.362	37.718	2200.235	2089194.965	6023132.686	0	RS-700	0.32852044025
7237	-122.362	37.718	2366.198	2089194.965	6023132.686	0	RS-700	1.37231427673
7238	-122.362	37.718	2287.021	2089194.965	6023132.686	0	RS-700	0.87434295598
7239	-122.362	37.718	2384.857	2089194.964	6023132.715	0	RS-700	1.48966477987
7240	-122.362	37.718	2240.470	2089194.928	6023132.685	0	RS-700	0.58157440252
7241	-122.362	37.718	2291.052	2089194.928	6023132.714	0	RS-700	0.89969924528
7242	-122.362	37.718	2205.907	2089194.928	6023132.714	0	RS-700	0.36419320755
7243	-122.362	37.718	2357.846	2089194.928	6023132.685	0	RS-700	1.31978716981
7244	-122.362	37.718	2301.517	2089194.928	6023132.685	0	RS-700	0.96551383648



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7245	-122.362	37.718	2390.336	2089194.854	6023132.770	0	RS-700	1.52412534591
7246	-122.362	37.718	2333.374	2089194.592	6023133.112	0	RS-700	1.16587471698
7247	-122.362	37.718	2320.072	2089194.216	6023133.683	0	RS-700	1.08221069182
7248	-122.362	37.718	2399.975	2089193.689	6023134.541	0	RS-700	1.58474918239
7249	-122.362	37.718	2360.732	2089193.162	6023135.427	0	RS-700	1.33793496855
7250	-122.362	37.718	2338.964	2089192.599	6023136.255	0	RS-700	1.20103062893
7251	-122.362	37.718	2351.434	2089191.964	6023137.052	0	RS-700	1.27946031447
7252	-122.362	37.718	2295.283	2089191.217	6023137.992	0	RS-700	0.92630874214
7253	-122.362	37.718	2315.406	2089190.505	6023139.020	0	RS-700	1.05286899371
7254	-122.362	37.718	2286.626	2089189.718	6023140.103	0	RS-700	0.87186062893
7255	-122.362	37.718	2287.623	2089188.968	6023141.188	0	RS-700	0.87813125786
7256	-122.362	37.718	2281.595	2089188.072	6023142.327	0	RS-700	0.84022213837
7257	-122.362	37.718	2250.582	2089187.249	6023143.381	0	RS-700	0.64516779874
7258	-122.362	37.718	2306.060	2089186.539	6023144.322	0	RS-700	0.99409088050
7259	-122.362	37.718	2267.374	2089185.862	6023145.379	0	RS-700	0.75077698113
7260	-122.362	37.718	2145.773	2089185.149	6023146.464	0	RS-700	-0.01400603774
7261	-122.362	37.718	2312.180	2089184.362	6023147.547	0	RS-700	1.03257723270
7262	-122.362	37.718	2242.159	2089183.653	6023148.401	0	RS-700	0.59219465409
7263	-122.362	37.718	2232.915	2089182.981	6023149.256	0	RS-700	0.53405716981
7264	-122.362	37.718	2160.318	2089182.346	6023150.053	0	RS-700	0.07747440252
7265	-122.362	37.718	2108.657	2089181.562	6023150.992	0	RS-700	-0.24743880503
7266	-122.362	37.718	2157.348	2089180.775	6023152.105	0	RS-700	0.05879201258
7267	-122.362	37.718	2154.668	2089179.841	6023153.301	0	RS-700	0.04193930818
7268	-122.362	37.718	2186.221	2089178.832	6023154.583	0	RS-700	0.24038408805
7269	-122.362	37.718	2269.812	2089177.752	6023155.777	0	RS-700	0.76611301887
7270	-122.362	37.718	2246.591	2089176.789	6023156.625	0	RS-700	0.62006691824
7271	-122.362	37.718	2224.138	2089175.900	6023157.331	0	RS-700	0.47885716981
7272	-122.362	37.718	2291.712	2089175.455	6023157.756	0	RS-700	0.90384654088
7273	-122.362	37.718	2210.915	2089175.454	6023157.785	0	RS-700	0.39568930818
7274	-122.362	37.718	2258.264	2089175.454	6023157.814	0	RS-700	0.69348333333
7275	-122.362	37.718	2172.455	2089175.417	6023157.842	0	RS-700	0.15380754717
7276	-122.362	37.718	2200.674	2089175.379	6023157.899	0	RS-700	0.33128490566
7277	-122.362	37.718	2239.809	2089175.306	6023157.927	0	RS-700	0.57741566038
7278	-122.362	37.718	2247.463	2089175.194	6023158.069	0	RS-700	0.62555421384
7279	-122.362	37.718	2266.706	2089174.970	6023158.354	0	RS-700	0.74657654088
7280	-122.362	37.718	2235.131	2089174.595	6023158.896	0	RS-700	0.54799572327
7281	-122.362	37.718	2112.166	2089174.258	6023159.352	0	RS-700	-0.22536924528
7282	-122.362	37.718	2264.703	2089173.733	6023160.094	0	RS-700	0.73398044025
7283	-122.362	37.718	2230.578	2089173.170	6023160.922	0	RS-700	0.51935823899
7284	-122.362	37.718	2152.102	2089172.497	6023161.834	0	RS-700	0.02580044025
7285	-122.362	37.718	2105.970	2089171.675	6023162.859	0	RS-700	-0.26434113208
7286	-122.362	37.718	2205.467	2089170.781	6023163.883	0	RS-700	0.36142779874
7287	-122.362	37.718	2280.934	2089169.963	6023164.735	0	RS-700	0.83606477987
7288	-122.362	37.718	2216.578	2089169.183	6023165.471	0	RS-700	0.43130716981
7289	-122.362	37.718	2177.345	2089168.405	6023166.150	0	RS-700	0.18455716981

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7290	-122.362	37.718	2202.797	2089167.960	6023166.517	0	RS-700	0.34463371069
7291	-122.362	37.718	2233.795	2089167.774	6023166.716	0	RS-700	0.53958981132
7292	-122.362	37.718	2172.002	2089167.774	6023166.745	0	RS-700	0.15095773585
7293	-122.362	37.718	2315.994	2089167.737	6023166.773	0	RS-700	1.05656723270
7294	-122.362	37.718	2275.050	2089167.700	6023166.773	0	RS-700	0.79905654088
7295	-122.362	37.718	2157.878	2089167.700	6023166.773	0	RS-700	0.06212729560
7296	-122.362	37.718	2159.996	2089167.700	6023166.802	0	RS-700	0.07544540881
7297	-122.362	37.718	2260.932	2089167.663	6023166.830	0	RS-700	0.71026371069
7298	-122.362	37.718	2202.014	2089167.515	6023166.943	0	RS-700	0.33971377359
7299	-122.362	37.718	2205.140	2089167.066	6023167.541	0	RS-700	0.35937138365
7300	-122.362	37.718	2225.914	2089166.392	6023168.454	0	RS-700	0.49002389937
7301	-122.362	37.718	2233.359	2089165.679	6023169.539	0	RS-700	0.53685006289
7302	-122.362	37.718	2257.315	2089165.002	6023170.625	0	RS-700	0.68751729560
7303	-122.362	37.718	2221.241	2089164.324	6023171.710	0	RS-700	0.46063817610
7304	-122.362	37.718	2255.708	2089163.535	6023172.968	0	RS-700	0.67740723270
7305	-122.362	37.718	2272.874	2089162.748	6023174.051	0	RS-700	0.78537213837
7306	-122.362	37.718	2303.407	2089161.960	6023175.222	0	RS-700	0.97740289308
7307	-122.362	37.718	2380.499	2089161.175	6023176.248	0	RS-700	1.46225691824
7308	-122.362	37.718	2256.811	2089160.500	6023177.247	0	RS-700	0.68434559748
7309	-122.362	37.718	2251.256	2089159.787	6023178.274	0	RS-700	0.64940603774
7310	-122.362	37.718	2321.418	2089158.996	6023179.618	0	RS-700	1.09068094340
7311	-122.362	37.718	2322.455	2089158.205	6023180.933	0	RS-700	1.09720276730
7312	-122.362	37.718	2368.446	2089157.415	6023182.161	0	RS-700	1.38645220126
7313	-122.362	37.718	2405.752	2089156.517	6023183.388	0	RS-700	1.62108088050
7314	-122.362	37.718	2286.701	2089155.362	6023184.695	0	RS-700	0.87233635220
7315	-122.362	37.718	2238.705	2089154.210	6023185.859	0	RS-700	0.57047037736
7316	-122.362	37.718	2206.804	2089153.206	6023186.909	0	RS-700	0.36983427673
7317	-122.362	37.718	2168.778	2089152.238	6023187.960	0	RS-700	0.13068113208
7318	-122.362	37.718	2292.061	2089151.122	6023189.124	0	RS-700	0.90604691824
7319	-122.362	37.718	2302.615	2089150.045	6023190.202	0	RS-700	0.97242264151
7320	-122.362	37.718	2289.935	2089148.856	6023191.364	0	RS-700	0.89267427673
7321	-122.362	37.718	2256.378	2089147.709	6023192.267	0	RS-700	0.68162377359
7322	-122.362	37.718	2197.225	2089146.675	6023192.999	0	RS-700	0.30959308176
7323	-122.362	37.718	2220.353	2089146.122	6023193.335	0	RS-700	0.45505031447
7324	-122.362	37.718	2276.941	2089146.121	6023193.364	0	RS-700	0.81095157233
7325	-122.362	37.718	2223.346	2089146.195	6023193.308	0	RS-700	0.47387597484
7326	-122.362	37.718	2253.699	2089145.683	6023193.413	0	RS-700	0.66477616352
7327	-122.362	37.718	2189.676	2089144.440	6023193.649	0	RS-700	0.26211062893
7328	-122.362	37.718	2307.050	2089143.305	6023193.973	0	RS-700	1.00031314465
7329	-122.362	37.718	2211.351	2089142.128	6023194.529	0	RS-700	0.39843106918
7330	-122.362	37.718	2214.813	2089140.652	6023195.512	0	RS-700	0.42020867925
7331	-122.362	37.718	2238.244	2089139.314	6023196.874	0	RS-700	0.56757339623
7332	-122.362	37.718	2180.567	2089137.973	6023198.380	0	RS-700	0.20482465409
7333	-122.362	37.718	2127.551	2089136.704	6023199.917	0	RS-700	-0.12861226415
7334	-122.362	37.718	2186.673	2089135.621	6023201.285	0	RS-700	0.24322484277

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7335	-122.362	37.718	2255.464	2089134.835	6023202.310	0	RS-700	0.67587729560
7336	-122.362	37.718	2143.891	2089134.162	6023203.194	0	RS-700	-0.02584364780
7337	-122.362	37.718	2127.444	2089133.603	6023203.848	0	RS-700	-0.12928484277
7338	-122.362	37.718	2159.453	2089133.303	6023204.276	0	RS-700	0.07203427673
7339	-122.362	37.718	2040.529	2089133.080	6023204.503	0	RS-700	-0.67591930818
7340	-122.362	37.718	2224.693	2089132.488	6023204.983	0	RS-700	0.48234559748
7341	-122.362	37.718	2162.106	2089131.970	6023205.407	0	RS-700	0.08871899371
7342	-122.362	37.718	2135.555	2089131.229	6023206.028	0	RS-700	-0.07826955975
7343	-122.362	37.718	2171.889	2089130.333	6023207.139	0	RS-700	0.15024830189
7344	-122.362	37.718	2072.641	2089129.615	6023208.427	0	RS-700	-0.47395333333
7345	-122.362	37.718	2113.980	2089128.788	6023209.712	0	RS-700	-0.21396421384
7346	-122.362	37.718	2196.229	2089127.931	6023210.707	0	RS-700	0.30332591195
7347	-122.362	37.718	2103.754	2089127.107	6023211.819	0	RS-700	-0.27827371069
7348	-122.362	37.718	2210.020	2089126.137	6023213.015	0	RS-700	0.39006050315
7349	-122.362	37.718	2125.088	2089125.345	6023214.359	0	RS-700	-0.14409937107
7350	-122.362	37.718	2176.778	2089124.627	6023215.704	0	RS-700	0.18099477987
7351	-122.362	37.718	2128.094	2089123.910	6023216.963	0	RS-700	-0.12519591195
7352	-122.362	37.718	2220.028	2089122.974	6023218.217	0	RS-700	0.45300490566
7353	-122.362	37.718	2131.086	2089121.968	6023219.355	0	RS-700	-0.10637861635
7354	-122.362	37.718	2060.741	2089120.928	6023220.404	0	RS-700	-0.54879981132
7355	-122.362	37.718	2158.216	2089119.924	6023221.426	0	RS-700	0.06424981132
7356	-122.362	37.718	2282.051	2089119.138	6023222.510	0	RS-700	0.84308603774
7357	-122.362	37.718	2134.550	2089118.351	6023223.622	0	RS-700	-0.08458918239
7358	-122.362	37.718	2256.926	2089117.601	6023224.707	0	RS-700	0.68507025157
7359	-122.362	37.718	2246.146	2089116.889	6023225.676	0	RS-700	0.61726735849
7360	-122.362	37.718	2252.150	2089116.328	6023226.417	0	RS-700	0.65503270440
7361	-122.362	37.718	2167.324	2089115.879	6023227.045	0	RS-700	0.12153622642
7362	-122.362	37.718	2198.338	2089115.616	6023227.444	0	RS-700	0.31659314465
7363	-122.362	37.718	2280.054	2089115.504	6023227.587	0	RS-700	0.83052937107
7364	-122.362	37.718	2241.809	2089115.429	6023227.701	0	RS-700	0.58999150943
7365	-122.362	37.718	2251.913	2089115.429	6023227.701	0	RS-700	0.65354220126
7366	-122.362	37.718	2257.468	2089115.429	6023227.701	0	RS-700	0.68847761006
7367	-122.362	37.718	2193.909	2089115.428	6023227.730	0	RS-700	0.28873729560
7368	-122.362	37.718	2267.156	2089115.428	6023227.730	0	RS-700	0.74940597484
7369	-122.362	37.718	2064.641	2089115.428	6023227.730	0	RS-700	-0.52426893082
7370	-122.362	37.718	2216.576	2089115.428	6023227.759	0	RS-700	0.43129704403
7371	-122.362	37.718	2173.995	2089115.391	6023227.758	0	RS-700	0.16348924528
7372	-122.362	37.718	2304.282	2089115.391	6023227.758	0	RS-700	0.98290867925
7373	-122.362	37.718	2209.018	2089115.428	6023227.759	0	RS-700	0.38376163522
7374	-122.362	37.718	2227.254	2089115.428	6023227.759	0	RS-700	0.49845540881
7375	-122.362	37.718	2302.720	2089115.428	6023227.730	0	RS-700	0.97308408805
7376	-122.362	37.718	2159.878	2089115.428	6023227.730	0	RS-700	0.07470748428
7377	-122.362	37.718	2244.475	2089115.465	6023227.731	0	RS-700	0.60676150943
7378	-122.362	37.718	2179.108	2089115.465	6023227.731	0	RS-700	0.19564754717
7379	-122.362	37.718	2143.451	2089115.465	6023227.731	0	RS-700	-0.02861081761

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7380	-122.362	37.718	2176.653	2089115.465	6023227.731	0	RS-700	0.18020452830
7381	-122.362	37.718	2193.566	2089115.465	6023227.702	0	RS-700	0.28658144654
7382	-122.362	37.718	2191.791	2089115.465	6023227.731	0	RS-700	0.27541635220
7383	-122.362	37.718	2219.907	2089115.465	6023227.731	0	RS-700	0.45224427673
7384	-122.362	37.718	2135.904	2089115.465	6023227.731	0	RS-700	-0.07607691824
7385	-122.362	37.718	2135.767	2089115.501	6023227.731	0	RS-700	-0.07693452830
7386	-122.362	37.718	2123.090	2089115.465	6023227.731	0	RS-700	-0.15666805031
7387	-122.362	37.718	2118.774	2089115.465	6023227.731	0	RS-700	-0.18381081761
7388	-122.362	37.718	2166.673	2089115.465	6023227.731	0	RS-700	0.11744188679
7389	-122.362	37.718	2116.656	2089115.465	6023227.731	0	RS-700	-0.19712937107
7390	-122.362	37.718	2192.119	2089115.465	6023227.731	0	RS-700	0.27747679245
7391	-122.362	37.718	2229.578	2089115.465	6023227.702	0	RS-700	0.51306911950
7392	-122.362	37.718	2214.909	2089115.502	6023227.703	0	RS-700	0.42080817610
7393	-122.362	37.718	2277.707	2089115.502	6023227.703	0	RS-700	0.81576691824
7394	-122.362	37.718	2221.703	2089115.501	6023227.731	0	RS-700	0.46353987421
7395	-122.362	37.718	2171.786	2089115.501	6023227.731	0	RS-700	0.14959773585
7396	-122.362	37.718	2208.683	2089115.537	6023227.732	0	RS-700	0.38165490566
7397	-122.362	37.718	2170.105	2089115.537	6023227.732	0	RS-700	0.13902704403
7398	-122.362	37.718	2225.691	2089115.537	6023227.732	0	RS-700	0.48862213837
7399	-122.362	37.718	2221.470	2089113.400	6023228.992	0	RS-700	0.46207232704
7400	-122.362	37.718	2172.568	2089113.400	6023228.992	0	RS-700	0.15451735849
7401	-122.362	37.718	2128.857	2089113.400	6023228.992	0	RS-700	-0.12039905660
7402	-122.362	37.718	2143.665	2089113.399	6023229.020	0	RS-700	-0.02726264151
7403	-122.362	37.718	2225.359	2089113.399	6023229.049	0	RS-700	0.48653490566
7404	-122.362	37.718	2207.685	2089113.399	6023229.049	0	RS-700	0.37537647799
7405	-122.362	37.718	2193.901	2089113.398	6023229.078	0	RS-700	0.28868389937
7406	-122.362	37.718	2256.916	2089113.398	6023229.078	0	RS-700	0.68500597484
7407	-122.362	37.718	2181.006	2089113.435	6023229.079	0	RS-700	0.20758654088
7408	-122.362	37.718	2196.169	2089113.435	6023229.079	0	RS-700	0.30294811321
7409	-122.362	37.718	2154.103	2089113.434	6023229.108	0	RS-700	0.03838622642
7410	-122.362	37.718	2158.330	2089112.875	6023229.733	0	RS-700	0.06496559748
7411	-122.362	37.718	2231.242	2089112.425	6023230.390	0	RS-700	0.10334759531
7412	-122.362	37.718	2221.578	2089111.676	6023231.445	0	RS-700	0.07500739003
7413	-122.362	37.718	2138.663	2089112.360	6023231.835	0	RS-700	-0.16814372434
7414	-122.362	37.718	2242.252	2089112.060	6023232.263	0	RS-700	0.13563495601
7415	-122.362	37.718	2149.666	2089112.320	6023232.008	0	RS-700	-0.13587539589
7416	-122.362	37.718	2168.888	2089113.066	6023231.126	0	RS-700	-0.07950870968
7417	-122.362	37.718	2196.568	2089113.177	6023231.041	0	RS-700	0.00166513196
7418	-122.362	37.718	2187.007	2089112.543	6023231.781	0	RS-700	-0.02637252199
7419	-122.362	37.718	2448.374	2089111.464	6023232.945	0	RS-700	0.74009923754
7420	-122.362	37.718	2528.036	2089110.270	6023234.397	0	RS-700	0.97371181818
7421	-122.362	37.718	2364.090	2089106.347	6023237.530	0	RS-700	0.49293217009
7422	-122.362	37.718	1900.253	2089105.299	6023238.927	0	RS-700	-0.86729404692
7423	-122.362	37.718	1678.868	2089104.767	6023240.045	0	RS-700	-1.51651668622
7424	-122.362	37.718	1508.544	2089104.647	6023240.621	0	RS-700	-2.01599879765

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7425	-122.362	37.718	1548.498	2089104.339	6023241.454	0	RS-700	-1.89883313783
7426	-122.362	37.718	1761.537	2089104.027	6023242.489	0	RS-700	-1.27408372434
7427	-122.362	37.718	2162.653	2089103.530	6023243.665	0	RS-700	-0.09779070381
7428	-122.362	37.718	2618.061	2089102.625	6023245.238	0	RS-700	1.23771519062
7429	-122.362	37.718	2484.020	2089101.609	6023246.838	0	RS-700	2.11333320755
7430	-122.362	37.718	2227.802	2089100.372	6023248.607	0	RS-700	0.50189704403
7431	-122.362	37.718	2066.745	2089099.457	6023250.672	0	RS-700	-0.51103660377
7432	-122.362	37.718	2171.347	2089098.580	6023252.680	0	RS-700	0.14683396226
7433	-122.362	37.718	2077.651	2089097.959	6023254.577	0	RS-700	-0.44244893082
7434	-122.362	37.718	2172.999	2089097.229	6023256.501	0	RS-700	0.15722622642
7435	-122.362	37.718	2137.198	2089096.246	6023258.304	0	RS-700	-0.06794018868
7436	-122.362	37.718	2113.292	2089095.120	6023260.017	0	RS-700	-0.21829232704
7437	-122.362	37.718	2009.825	2089094.031	6023261.644	0	RS-700	-0.86902641509
7438	-122.362	37.718	2080.731	2089093.087	6023263.333	0	RS-700	-0.42307283019
7439	-122.362	37.718	2007.120	2089092.360	6023265.112	0	RS-700	-0.88603968554
7440	-122.362	37.718	2037.428	2089091.449	6023266.945	0	RS-700	-0.69542308176
7441	-122.362	37.718	2098.857	2089090.392	6023268.805	0	RS-700	-0.30907333333
7442	-122.362	37.718	2113.545	2089089.340	6023270.462	0	RS-700	-0.21669729560
7443	-122.362	37.718	2101.185	2089088.362	6023272.033	0	RS-700	-0.29443465409
7444	-122.361	37.718	2071.647	2089087.461	6023273.375	0	RS-700	-0.48020924528
7445	-122.361	37.718	2045.729	2089086.372	6023275.031	0	RS-700	-0.64321622642
7446	-122.361	37.718	2138.990	2089085.209	6023276.744	0	RS-700	-0.05666679245
7447	-122.361	37.718	2147.767	2089084.048	6023278.341	0	RS-700	-0.00146729560
7448	-122.361	37.718	2120.986	2089085.034	6023278.187	0	RS-700	-0.16990188679
7449	-122.361	37.718	2107.316	2089082.000	6023280.586	0	RS-700	-0.25587289308
7450	-122.361	37.718	2121.769	2089080.994	6023281.723	0	RS-700	-0.16497194969
7451	-122.361	37.718	2220.802	2089079.875	6023283.089	0	RS-700	0.45787559748
7452	-122.361	37.718	2179.673	2089080.782	6023283.223	0	RS-700	0.19920289308
7453	-122.361	37.718	2127.875	2089079.406	6023284.671	0	RS-700	-0.12657012579
7454	-122.361	37.718	2116.693	2089077.920	6023286.146	0	RS-700	-0.19690220126
7455	-122.361	37.718	2117.767	2089076.725	6023287.627	0	RS-700	-0.19014622642
7456	-122.361	37.718	2130.664	2089075.606	6023288.964	0	RS-700	-0.10903440252
7457	-122.361	37.717	2130.770	2089072.865	6023291.253	0	RS-700	-0.10836786164
7458	-122.361	37.717	2156.670	2089071.967	6023292.450	0	RS-700	0.05452540881
7459	-122.361	37.717	2152.313	2089071.854	6023292.650	0	RS-700	0.02712295597
7460	-122.361	37.717	2191.009	2089072.116	6023292.308	0	RS-700	0.27049509434
7461	-122.361	37.717	2219.134	2089071.967	6023292.450	0	RS-700	0.44738616352
7462	-122.361	37.717	2219.911	2089071.707	6023292.734	0	RS-700	0.45227220126
7463	-122.361	37.717	2153.564	2089071.072	6023293.532	0	RS-700	0.03499333333
7464	-122.361	37.717	2121.762	2089072.430	6023292.980	0	RS-700	-0.16502125786
7465	-122.361	37.717	2075.741	2089071.795	6023293.778	0	RS-700	-0.45445836478
7466	-122.361	37.717	2111.861	2089068.980	6023296.152	0	RS-700	-0.22729050315
7467	-122.361	37.717	2186.897	2089068.866	6023296.410	0	RS-700	0.24463295598
7468	-122.361	37.717	2220.581	2089068.751	6023296.697	0	RS-700	0.45648654088
7469	-122.361	37.717	2193.008	2089068.479	6023297.530	0	RS-700	0.28307094340

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7470	-122.361	37.717	2161.779	2089068.477	6023297.675	0	RS-700	0.08666000000
7471	-122.361	37.717	2205.887	2089068.394	6023298.165	0	RS-700	0.36406855346
7472	-122.361	37.717	2215.458	2089068.120	6023299.114	0	RS-700	0.42426647799
7473	-122.361	37.717	2142.998	2089067.701	6023300.061	0	RS-700	-0.03145666667
7474	-122.361	37.717	2180.226	2089067.210	6023300.919	0	RS-700	0.20267798742
7475	-122.361	37.717	2270.280	2089066.393	6023301.742	0	RS-700	0.76905408805
7476	-122.361	37.717	2161.671	2089067.643	6023301.130	0	RS-700	0.08598163522
7477	-122.361	37.717	2058.532	2089064.504	6023303.324	0	RS-700	-0.56269446541
7478	-122.361	37.717	2141.553	2089063.430	6023304.229	0	RS-700	-0.04054515723
7479	-122.361	37.717	2040.737	2089064.266	6023304.274	0	RS-700	-0.67461012579
7480	-122.361	37.717	2112.449	2089063.399	6023305.790	0	RS-700	-0.22359270440
7481	-122.361	37.717	2077.533	2089062.463	6023307.073	0	RS-700	-0.44318874214
7482	-122.361	37.717	2098.754	2089061.567	6023308.155	0	RS-700	-0.30972440252
7483	-122.361	37.717	2089.757	2089058.716	6023310.499	0	RS-700	-0.36631100629
7484	-122.361	37.717	2023.745	2089059.846	6023310.464	0	RS-700	-0.78147591195
7485	-122.361	37.717	1979.716	2089058.766	6023311.658	0	RS-700	-1.05838974843
7486	-122.361	37.717	2017.325	2089057.761	6023312.737	0	RS-700	-0.82185383648
7487	-122.361	37.717	1964.506	2089056.793	6023313.817	0	RS-700	-1.15404754717
7488	-122.361	37.717	2037.455	2089055.750	6023314.982	0	RS-700	-0.69524861635
7489	-122.361	37.717	2051.843	2089054.852	6023316.180	0	RS-700	-0.60476283019
7490	-122.361	37.717	2127.975	2089054.023	6023317.581	0	RS-700	-0.12594031447
7491	-122.361	37.717	2028.425	2089051.274	6023320.303	0	RS-700	-0.75204528302
7492	-122.361	37.717	2066.632	2089050.442	6023321.849	0	RS-700	-0.51174836478
7493	-122.361	37.717	2061.862	2089049.394	6023323.246	0	RS-700	-0.54175056604
7494	-122.361	37.717	2019.734	2089048.351	6023324.440	0	RS-700	-0.80670610063
7495	-122.361	37.717	2030.035	2089047.120	6023325.891	0	RS-700	-0.74191937107
7496	-122.361	37.717	2034.536	2089047.699	6023326.105	0	RS-700	-0.71360893082
7497	-122.361	37.717	2152.747	2089046.652	6023327.473	0	RS-700	0.02985616352
7498	-122.361	37.717	2094.755	2089045.712	6023328.959	0	RS-700	-0.33487603774
7499	-122.361	37.717	2121.542	2089044.661	6023330.500	0	RS-700	-0.16640452830
7500	-122.361	37.717	2089.365	2089041.951	6023333.108	0	RS-700	-0.36877289308
7501	-122.361	37.717	2062.635	2089041.044	6023334.768	0	RS-700	-0.53688981132
7502	-122.361	37.717	2046.141	2089040.029	6023336.339	0	RS-700	-0.64062144654
7503	-122.361	37.717	2063.535	2089038.944	6023337.792	0	RS-700	-0.53122597484
7504	-122.361	37.717	2099.548	2089037.609	6023339.010	0	RS-700	-0.30473050315
7505	-122.361	37.717	2031.723	2089038.118	6023339.020	0	RS-700	-0.73130232704
7506	-122.361	37.717	2095.164	2089035.266	6023341.451	0	RS-700	-0.33230389937
7507	-122.361	37.717	2106.074	2089034.430	6023343.170	0	RS-700	-0.26368433962
7508	-122.361	37.717	2059.950	2089033.628	6023345.035	0	RS-700	-0.55377616352
7509	-122.361	37.717	2023.036	2089032.867	6023346.698	0	RS-700	-0.78593842767
7510	-122.361	37.717	2013.626	2089032.069	6023348.360	0	RS-700	-0.84512169811
7511	-122.361	37.717	2134.766	2089031.166	6023349.817	0	RS-700	-0.08323182390
7512	-122.361	37.717	2092.644	2089030.012	6023351.067	0	RS-700	-0.34815238994
7513	-122.361	37.717	2116.519	2089028.715	6023352.228	0	RS-700	-0.19799364780
7514	-122.361	37.717	2025.637	2089027.234	6023353.442	0	RS-700	-0.76957610063

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7515	-122.361	37.717	2160.886	2089025.824	6023354.716	0	RS-700	0.08104308176
7516	-122.361	37.717	2169.134	2089024.706	6023355.996	0	RS-700	0.13291635220
7517	-122.361	37.717	2114.657	2089024.067	6023356.995	0	RS-700	-0.20970716981
7518	-122.361	37.717	2073.646	2089023.881	6023357.223	0	RS-700	-0.46763811321
7519	-122.361	37.717	2077.860	2089023.506	6023357.765	0	RS-700	-0.44113358491
7520	-122.361	37.717	2117.869	2089022.985	6023358.334	0	RS-700	-0.18950345912
7521	-122.361	37.717	2085.855	2089022.426	6023358.959	0	RS-700	-0.39085094340
7522	-122.361	37.717	2098.861	2089021.462	6023359.808	0	RS-700	-0.30905106918
7523	-122.361	37.717	2011.716	2089020.426	6023360.626	0	RS-700	-0.85713465409
7524	-122.361	37.717	2071.541	2089019.018	6023361.842	0	RS-700	-0.48087295598
7525	-122.361	37.717	2159.782	2089019.626	6023362.375	0	RS-700	0.07410251572
7526	-122.361	37.717	2209.475	2089016.843	6023364.981	0	RS-700	0.38663333333
7527	-122.361	37.717	2144.774	2089015.974	6023366.555	0	RS-700	-0.02029075472
7528	-122.361	37.717	2206.126	2089015.107	6023368.042	0	RS-700	0.36557050315
7529	-122.361	37.717	2165.562	2089014.169	6023369.441	0	RS-700	0.11045012579
7530	-122.361	37.717	2102.870	2089012.972	6023371.009	0	RS-700	-0.28383471698
7531	-122.361	37.717	2052.637	2089011.596	6023372.457	0	RS-700	-0.59976559748
7532	-122.361	37.717	2060.745	2089012.282	6023372.760	0	RS-700	-0.54877610063
7533	-122.361	37.717	2057.952	2089009.466	6023375.163	0	RS-700	-0.56634176101
7534	-122.361	37.717	2154.342	2089008.457	6023376.473	0	RS-700	0.03988968553
7535	-122.361	37.717	1991.918	2089007.336	6023377.898	0	RS-700	-0.98164905660
7536	-122.361	37.717	1998.314	2089005.998	6023379.231	0	RS-700	-0.94141905660
7537	-122.361	37.717	2097.444	2089004.663	6023380.448	0	RS-700	-0.31796037736
7538	-122.361	37.717	2137.769	2089003.660	6023381.441	0	RS-700	-0.06434446541
7539	-122.361	37.717	2248.148	2089002.436	6023382.545	0	RS-700	0.62986408805
7540	-122.361	37.717	2222.568	2089001.175	6023383.677	0	RS-700	0.46898371069
7541	-122.361	37.717	2049.936	2089001.864	6023383.835	0	RS-700	-0.61675691824
7542	-122.361	37.717	2206.579	2088999.047	6023386.296	0	RS-700	0.36841955975
7543	-122.361	37.717	2211.680	2088998.070	6023387.839	0	RS-700	0.40050031447
7544	-122.361	37.717	2265.046	2088996.985	6023389.264	0	RS-700	0.73613647799
7545	-122.361	37.717	2088.540	2088995.685	6023390.540	0	RS-700	-0.37396069182
7546	-122.361	37.717	2112.972	2088996.338	6023390.697	0	RS-700	-0.22030289308
7547	-122.361	37.717	2121.776	2088995.660	6023391.812	0	RS-700	-0.16493157233
7548	-122.361	37.717	2232.582	2088995.660	6023391.812	0	RS-700	0.53196352201
7549	-122.361	37.717	2187.897	2088992.475	6023396.291	0	RS-700	0.25092591195
7550	-122.361	37.717	2128.293	2088991.607	6023397.836	0	RS-700	-0.12394194969
7551	-122.361	37.717	2171.212	2088990.669	6023399.235	0	RS-700	0.14598993711
7552	-122.361	37.717	2165.359	2088989.510	6023400.745	0	RS-700	0.10917301887
7553	-122.361	37.717	2217.123	2088988.317	6023402.110	0	RS-700	0.43473704403
7554	-122.361	37.717	2145.201	2088987.159	6023403.562	0	RS-700	-0.01760377358
7555	-122.361	37.717	2109.072	2088986.002	6023404.986	0	RS-700	-0.24482930818
7556	-122.361	37.717	2102.759	2088984.951	6023406.527	0	RS-700	-0.28453433962
7557	-122.361	37.717	2128.660	2088984.121	6023407.986	0	RS-700	-0.12163547170
7558	-122.361	37.717	2054.747	2088983.627	6023409.018	0	RS-700	-0.58649767296
7559	-122.361	37.717	2041.523	2088985.350	6023408.445	0	RS-700	-0.66966886793

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7560	-122.361	37.717	2122.553	2088985.311	6023408.589	0	RS-700	-0.16004654088
7561	-122.361	37.717	2121.976	2088983.358	6023409.736	0	RS-700	-0.16367327044
7562	-122.361	37.717	2000.616	2088983.394	6023409.737	0	RS-700	-0.92694440252
7563	-122.361	37.717	2113.078	2088983.394	6023409.737	0	RS-700	-0.21963578616
7564	-122.361	37.717	2057.640	2088983.394	6023409.737	0	RS-700	-0.56830125786
7565	-122.361	37.717	2108.080	2088983.358	6023409.736	0	RS-700	-0.25107213837
7566	-122.361	37.717	2139.664	2088983.358	6023409.736	0	RS-700	-0.05242610063
7567	-122.361	37.717	2176.562	2088983.358	6023409.736	0	RS-700	0.17963471698
7568	-122.361	37.717	2049.157	2088983.358	6023409.736	0	RS-700	-0.62165132076
7569	-122.361	37.717	2112.762	2088983.358	6023409.736	0	RS-700	-0.22162333333
7570	-122.361	37.717	2082.855	2088983.358	6023409.736	0	RS-700	-0.40971874214
7571	-122.361	37.717	2103.549	2088983.358	6023409.736	0	RS-700	-0.27956641509
7572	-122.361	37.717	2130.555	2088983.359	6023409.707	0	RS-700	-0.10971924528
7573	-122.361	37.717	2093.231	2088983.359	6023409.707	0	RS-700	-0.34445911950
7574	-122.361	37.717	2015.834	2088983.359	6023409.707	0	RS-700	-0.83123182390
7575	-122.361	37.717	2138.984	2088983.395	6023409.708	0	RS-700	-0.05670446541
7576	-122.361	37.717	2109.656	2088983.358	6023409.736	0	RS-700	-0.24115823899
7577	-122.361	37.717	2127.870	2088983.359	6023409.707	0	RS-700	-0.12660301887
7578	-122.361	37.717	2114.871	2088983.359	6023409.707	0	RS-700	-0.20836132076
7579	-122.361	37.717	2184.114	2088983.616	6023409.567	0	RS-700	0.22713106918
7580	-122.361	37.717	2057.539	2088983.616	6023409.567	0	RS-700	-0.56893842767
7581	-122.361	37.717	2054.829	2088983.617	6023409.538	0	RS-700	-0.58598371069
7582	-122.361	37.717	2069.643	2088983.617	6023409.538	0	RS-700	-0.49280949686
7583	-122.361	37.717	1964.615	2088983.617	6023409.538	0	RS-700	-1.15336295597
7584	-122.361	37.717	2090.433	2088983.616	6023409.567	0	RS-700	-0.36205616352
7585	-122.361	37.717	2095.650	2088983.653	6023409.568	0	RS-700	-0.32924660377
7586	-122.361	37.717	2065.643	2088983.616	6023409.567	0	RS-700	-0.51797138365
7587	-122.361	37.717	2064.043	2088983.616	6023409.567	0	RS-700	-0.52802962264
7588	-122.361	37.717	2073.749	2088983.653	6023409.568	0	RS-700	-0.46698798742
7589	-122.361	37.717	2147.775	2088983.653	6023409.568	0	RS-700	-0.00141238994
7590	-122.361	37.717	2101.550	2088983.615	6023409.654	0	RS-700	-0.29214012579
7591	-122.361	37.717	2081.167	2088983.489	6023410.462	0	RS-700	-0.42033327044
7592	-122.361	37.717	2101.446	2088983.174	6023411.670	0	RS-700	-0.29279320755
7593	-122.361	37.717	2082.844	2088982.598	6023413.163	0	RS-700	-0.40978540881
7594	-122.361	37.717	2130.291	2088981.738	6023414.304	0	RS-700	-0.11137735849
7595	-122.361	37.717	2107.288	2088982.281	6023414.459	0	RS-700	-0.25604748428
7596	-122.361	37.717	2126.126	2088981.052	6023415.823	0	RS-700	-0.13757345912
7597	-122.361	37.717	2150.101	2088978.305	6023418.430	0	RS-700	0.01321540881
7598	-122.361	37.717	2142.341	2088977.144	6023420.056	0	RS-700	-0.03558817610
7599	-122.361	37.717	2184.902	2088976.055	6023421.712	0	RS-700	0.23208515723
7600	-122.361	37.717	2265.699	2088974.930	6023423.339	0	RS-700	0.74024327044
7601	-122.361	37.717	2187.135	2088975.433	6023423.667	0	RS-700	0.24613515723
7602	-122.361	37.717	2171.999	2088974.026	6023424.825	0	RS-700	0.15093427673
7603	-122.361	37.717	2135.994	2088972.797	6023426.219	0	RS-700	-0.07550716981
7604	-122.361	37.717	2146.777	2088971.926	6023427.850	0	RS-700	-0.00769251572



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7605	-122.361	37.717	2144.553	2088971.021	6023429.423	0	RS-700	-0.02168125786
7606	-122.361	37.717	2180.549	2088970.042	6023431.053	0	RS-700	0.20470817610
7607	-122.361	37.717	2157.987	2088968.993	6023432.508	0	RS-700	0.06281232704
7608	-122.361	37.717	2236.926	2088967.769	6023433.640	0	RS-700	0.55928358491
7609	-122.361	37.717	2324.301	2088966.473	6023434.714	0	RS-700	1.10880880503
7610	-122.361	37.717	2246.026	2088965.216	6023435.644	0	RS-700	0.61651773585
7611	-122.361	37.717	2120.093	2088964.103	6023436.663	0	RS-700	-0.17551786164
7612	-122.361	37.717	2129.767	2088960.697	6023439.459	0	RS-700	-0.11467025157
7613	-122.361	37.717	2174.342	2088959.574	6023440.999	0	RS-700	0.16567000000
7614	-122.361	37.717	2154.212	2088958.451	6023442.539	0	RS-700	0.03907157233
7615	-122.361	37.717	2175.566	2088957.295	6023443.876	0	RS-700	0.17337000000
7616	-122.361	37.717	2183.787	2088955.964	6023444.862	0	RS-700	0.22507823899
7617	-122.361	37.717	2207.018	2088954.490	6023445.730	0	RS-700	0.37118452830
7618	-122.361	37.717	2100.556	2088955.226	6023445.368	0	RS-700	-0.29839270440
7619	-122.361	37.717	2011.824	2088953.923	6023446.789	0	RS-700	-0.85644987421
7620	-122.361	37.717	1997.034	2088952.799	6023448.387	0	RS-700	-0.94947276730
7621	-122.361	37.717	2003.723	2088951.711	6023449.985	0	RS-700	-0.90739974843
7622	-122.361	37.717	2072.058	2088950.556	6023451.264	0	RS-700	-0.47762459120
7623	-122.361	37.717	1994.019	2088949.475	6023452.515	0	RS-700	-0.96843176101
7624	-122.361	37.717	2018.321	2088948.356	6023453.882	0	RS-700	-0.81559257862
7625	-122.361	37.717	2089.962	2088945.314	6023456.656	0	RS-700	-0.36501861635
7626	-122.361	37.717	2054.669	2088944.443	6023458.346	0	RS-700	-0.58698924528
7627	-122.361	37.717	2235.021	2088943.575	6023459.862	0	RS-700	0.54729924528
7628	-122.361	37.717	2174.111	2088942.781	6023461.351	0	RS-700	0.16421805031
7629	-122.361	37.717	2196.118	2088942.130	6023462.929	0	RS-700	0.30263182390
7630	-122.361	37.717	2133.564	2088941.901	6023463.445	0	RS-700	-0.09079119497
7631	-122.361	37.717	2032.628	2088942.282	6023462.614	0	RS-700	-0.72561025157
7632	-122.361	37.717	2131.669	2088942.476	6023462.010	0	RS-700	-0.10271176101
7633	-122.361	37.717	2174.675	2088942.357	6023462.528	0	RS-700	0.16776779874
7634	-122.361	37.717	2099.861	2088941.856	6023463.907	0	RS-700	-0.30276069182
7635	-122.361	37.717	2183.007	2088941.060	6023465.453	0	RS-700	0.22017220126
7636	-122.361	37.717	2065.053	2088939.904	6023466.819	0	RS-700	-0.52167628931
7637	-122.361	37.717	2063.643	2088938.897	6023468.014	0	RS-700	-0.53054962264
7638	-122.361	37.717	2080.538	2088938.035	6023469.212	0	RS-700	-0.42429094340
7639	-122.361	37.717	2132.199	2088937.213	6023470.295	0	RS-700	-0.09938044025
7640	-122.361	37.717	2190.791	2088937.976	6023470.368	0	RS-700	0.26912559748
7641	-122.361	37.717	2159.669	2088936.712	6023471.674	0	RS-700	0.07338949686
7642	-122.361	37.717	2170.142	2088935.443	6023473.211	0	RS-700	0.13925515723
7643	-122.361	37.717	2228.135	2088932.766	6023475.964	0	RS-700	0.50399371069
7644	-122.361	37.717	2159.693	2088931.825	6023477.507	0	RS-700	0.07353874214
7645	-122.361	37.717	2143.767	2088930.810	6023479.078	0	RS-700	-0.02662194969
7646	-122.361	37.717	2154.573	2088931.273	6023479.608	0	RS-700	0.04134144654
7647	-122.361	37.717	2150.638	2088930.040	6023481.204	0	RS-700	0.01658993711
7648	-122.361	37.717	2034.631	2088927.077	6023483.662	0	RS-700	-0.71301069182
7649	-122.361	37.717	1983.814	2088927.621	6023483.788	0	RS-700	-1.03261408805

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7650	-122.361	37.717	2052.747	2088926.392	6023485.182	0	RS-700	-0.59907698113
7651	-122.361	37.717	2089.438	2088925.266	6023486.837	0	RS-700	-0.36831320755
7652	-122.361	37.717	2199.001	2088922.405	6023489.702	0	RS-700	0.32075924528
7653	-122.361	37.717	2151.963	2088921.238	6023491.588	0	RS-700	0.02492477987
7654	-122.361	37.717	2079.935	2088920.153	6023493.042	0	RS-700	-0.42808490566
7655	-122.361	37.717	2232.669	2088920.581	6023493.514	0	RS-700	0.53250893082
7656	-122.361	37.717	2172.110	2088919.387	6023494.965	0	RS-700	0.15163295598
7657	-122.361	37.717	2144.985	2088918.264	6023496.476	0	RS-700	-0.01896251572
7658	-122.361	37.717	2171.308	2088915.558	6023498.853	0	RS-700	0.14659264151
7659	-122.361	37.717	2234.455	2088915.694	6023499.347	0	RS-700	0.54374037736
7660	-122.361	37.717	2248.378	2088912.806	6023501.749	0	RS-700	0.63130572327
7661	-122.361	37.717	2235.807	2088912.941	6023502.272	0	RS-700	0.55224238994
7662	-122.361	37.717	2140.772	2088911.782	6023503.783	0	RS-700	-0.04545748428
7663	-122.361	37.717	2285.595	2088910.729	6023505.440	0	RS-700	0.86537911950
7664	-122.361	37.717	2248.149	2088908.166	6023507.963	0	RS-700	0.62986490566
7665	-122.361	37.717	2179.563	2088907.041	6023509.590	0	RS-700	0.19851238994
7666	-122.361	37.717	2244.037	2088906.135	6023511.221	0	RS-700	0.60400352201
7667	-122.361	37.717	2142.865	2088905.192	6023512.823	0	RS-700	-0.03229559748
7668	-122.361	37.717	2242.686	2088904.138	6023514.566	0	RS-700	0.59551220126
7669	-122.361	37.717	2148.560	2088903.230	6023516.284	0	RS-700	0.00352314465
7670	-122.361	37.717	2209.572	2088902.363	6023517.742	0	RS-700	0.38724226415
7671	-122.361	37.717	2206.796	2088901.276	6023519.283	0	RS-700	0.36978723270
7672	-122.361	37.717	2182.897	2088900.012	6023520.617	0	RS-700	0.21947773585
7673	-122.361	37.717	2132.902	2088900.079	6023520.908	0	RS-700	-0.09495352201
7674	-122.361	37.717	2200.905	2088898.746	6023521.981	0	RS-700	0.33273484277
7675	-122.361	37.717	2056.640	2088897.377	6023523.082	0	RS-700	-0.57459119497
7676	-122.361	37.717	2182.460	2088896.153	6023524.186	0	RS-700	0.21672641509
7677	-122.361	37.717	2067.648	2088895.329	6023525.356	0	RS-700	-0.50535867925
7678	-122.361	37.717	1783.464	2088893.210	6023527.512	0	RS-700	-2.29268081761
7679	-122.361	37.717	1894.604	2088892.456	6023528.770	0	RS-700	-1.59368792453
7680	-122.361	37.717	2047.423	2088891.478	6023530.371	0	RS-700	-0.63255729560
7681	-122.361	37.717	2054.047	2088890.539	6023531.799	0	RS-700	-0.59090000000
7682	-122.361	37.717	1994.434	2088889.234	6023533.335	0	RS-700	-0.96582408805
7683	-122.361	37.717	2034.631	2088887.819	6023534.898	0	RS-700	-0.71300968554
7684	-122.361	37.717	2073.063	2088887.842	6023535.564	0	RS-700	-0.47130106918
7685	-122.361	37.717	2126.082	2088886.500	6023537.100	0	RS-700	-0.13784603774
7686	-122.361	37.717	2078.059	2088885.269	6023538.579	0	RS-700	-0.43987748428
7687	-122.361	37.717	2090.169	2088882.816	6023541.048	0	RS-700	-0.36371798742
7688	-122.361	37.717	2074.059	2088881.873	6023542.707	0	RS-700	-0.46503880503
7689	-122.361	37.717	2013.824	2088881.115	6023544.196	0	RS-700	-0.84387327044
7690	-122.361	37.717	1976.417	2088880.476	6023545.196	0	RS-700	-1.07914018868
7691	-122.361	37.717	2129.651	2088879.691	6023546.222	0	RS-700	-0.11540295598
7692	-122.361	37.717	2095.547	2088879.868	6023546.457	0	RS-700	-0.32989496855
7693	-122.361	37.717	2079.165	2088878.426	6023547.528	0	RS-700	-0.43292289308
7694	-122.361	37.717	1971.005	2088877.093	6023548.658	0	RS-700	-1.11317905660

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7695	-122.361	37.717	2064.431	2088875.756	6023549.962	0	RS-700	-0.52559276730
7696	-122.361	37.717	2060.037	2088873.126	6023552.196	0	RS-700	-0.55322880503
7697	-122.361	37.717	2090.329	2088871.932	6023553.618	0	RS-700	-0.36270968554
7698	-122.361	37.717	2087.164	2088870.702	6023555.041	0	RS-700	-0.38261427673
7699	-122.361	37.717	2137.660	2088869.621	6023556.263	0	RS-700	-0.06502911950
7700	-122.361	37.717	2119.569	2088868.614	6023557.458	0	RS-700	-0.17881238994
7701	-122.360	37.717	2033.528	2088867.603	6023558.885	0	RS-700	-0.71995138365
7702	-122.360	37.717	2021.826	2088866.552	6023560.426	0	RS-700	-0.79354798742
7703	-122.360	37.717	2069.160	2088865.473	6023561.591	0	RS-700	-0.49585194969
7704	-122.360	37.717	2072.854	2088864.541	6023562.671	0	RS-700	-0.47261698113
7705	-122.360	37.717	2102.864	2088863.682	6023563.725	0	RS-700	-0.28387578616
7706	-122.360	37.717	2115.869	2088862.898	6023564.722	0	RS-700	-0.20208163522
7707	-122.360	37.717	2086.857	2088861.931	6023565.744	0	RS-700	-0.38454572327
7708	-122.360	37.717	2029.223	2088860.891	6023566.765	0	RS-700	-0.74702635220
7709	-122.360	37.717	2115.638	2088860.956	6023567.113	0	RS-700	-0.20353201258
7710	-122.360	37.717	2127.086	2088859.802	6023568.392	0	RS-700	-0.13153402516
7711	-122.360	37.717	2128.872	2088858.605	6023569.960	0	RS-700	-0.12029911950
7712	-122.360	37.717	2126.086	2088857.522	6023571.356	0	RS-700	-0.13782427673
7713	-122.360	37.717	2160.559	2088856.364	6023572.779	0	RS-700	0.07898792453
7714	-122.360	37.717	2151.561	2088855.465	6023574.034	0	RS-700	0.02239842767
7715	-122.360	37.717	2171.647	2088854.748	6023575.322	0	RS-700	0.14872201258
7716	-122.360	37.717	2206.126	2088853.881	6023576.780	0	RS-700	0.36557062893
7717	-122.360	37.717	2179.999	2088852.683	6023578.434	0	RS-700	0.20125364780
7718	-122.360	37.717	2083.859	2088851.415	6023579.942	0	RS-700	-0.40340150943
7719	-122.360	37.717	2158.876	2088850.323	6023581.714	0	RS-700	0.06840490566
7720	-122.360	37.717	2132.081	2088849.715	6023583.004	0	RS-700	-0.10011654088
7721	-122.360	37.717	2175.464	2088849.642	6023583.003	0	RS-700	0.17273018868
7722	-122.360	37.717	2221.576	2088847.530	6023582.990	0	RS-700	0.46273962264
7723	-122.360	37.717	2222.798	2088847.385	6023581.135	0	RS-700	0.47042503145
7724	-122.360	37.717	2186.793	2088846.725	6023579.531	0	RS-700	0.24398276730
7725	-122.360	37.717	2189.789	2088845.477	6023578.175	0	RS-700	0.26282522013
7726	-122.360	37.717	2088.961	2088843.346	6023577.294	0	RS-700	-0.37131547170
7727	-122.360	37.717	2193.011	2088841.079	6023577.741	0	RS-700	0.28308698113
7728	-122.360	37.717	2079.853	2088839.377	6023579.095	0	RS-700	-0.42859635220
7729	-122.360	37.717	2052.743	2088838.426	6023581.102	0	RS-700	-0.59910132076
7730	-122.360	37.717	2167.868	2088838.236	6023583.325	0	RS-700	0.12495301887
7731	-122.360	37.717	2032.931	2088838.594	6023585.473	0	RS-700	-0.72370194969
7732	-122.360	37.717	2061.744	2088839.102	6023587.422	0	RS-700	-0.54249194969
7733	-122.360	37.717	2099.860	2088839.471	6023588.991	0	RS-700	-0.30276459120
7734	-122.360	37.717	2054.050	2088839.918	6023590.331	0	RS-700	-0.59088144654
7735	-122.360	37.717	2024.631	2088839.883	6023590.244	0	RS-700	-0.77590364780
7736	-122.360	37.717	2016.838	2088839.567	6023589.688	0	RS-700	-0.82491547170
7737	-122.360	37.717	2078.953	2088839.359	6023589.134	0	RS-700	-0.43425861635
7738	-122.360	37.717	2054.040	2088839.262	6023588.524	0	RS-700	-0.59094452830
7739	-122.360	37.717	2053.638	2088839.319	6023587.513	0	RS-700	-0.59347314465

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7740	-122.360	37.717	2137.200	2088839.477	6023586.880	0	RS-700	-0.06792433962
7741	-122.360	37.717	2124.333	2088839.243	6023587.656	0	RS-700	-0.14884905660
7742	-122.360	37.717	2072.748	2088838.891	6023588.893	0	RS-700	-0.47328522013
7743	-122.360	37.717	2030.239	2088838.494	6023590.534	0	RS-700	-0.74063584906
7744	-122.360	37.717	2004.223	2088838.128	6023592.436	0	RS-700	-0.90425547170
7745	-122.360	37.717	1989.721	2088837.686	6023594.540	0	RS-700	-0.99546345912
7746	-122.360	37.717	1970.713	2088837.209	6023596.526	0	RS-700	-1.11501528302
7747	-122.360	37.717	2129.447	2088836.735	6023598.397	0	RS-700	-0.11668610063
7748	-122.360	37.717	2030.630	2088836.259	6023600.355	0	RS-700	-0.73817742138
7749	-122.360	37.717	1982.712	2088835.639	6023602.252	0	RS-700	-1.03954415094
7750	-122.360	37.717	2063.536	2088834.949	6023603.945	0	RS-700	-0.53122226415
7751	-122.360	37.717	2145.881	2088834.041	6023605.692	0	RS-700	-0.01332452830
7752	-122.360	37.717	2107.990	2088832.988	6023607.320	0	RS-700	-0.25163415094
7753	-122.360	37.717	2043.631	2088831.902	6023608.861	0	RS-700	-0.65640735849
7754	-122.360	37.717	2061.641	2088830.707	6023610.313	0	RS-700	-0.54313880503
7755	-122.360	37.717	1977.414	2088829.551	6023611.707	0	RS-700	-1.07286635220
7756	-122.360	37.717	2040.833	2088828.432	6023613.016	0	RS-700	-0.67400415094
7757	-122.360	37.717	2117.746	2088827.347	6023614.470	0	RS-700	-0.19027786164
7758	-122.360	37.717	2132.195	2088826.226	6023615.894	0	RS-700	-0.09940452830
7759	-122.360	37.717	2127.661	2088825.068	6023617.346	0	RS-700	-0.12791987421
7760	-122.360	37.717	2047.743	2088824.064	6023618.426	0	RS-700	-0.63054836478
7761	-122.360	37.717	2042.435	2088823.093	6023619.621	0	RS-700	-0.66393389937
7762	-122.360	37.717	2125.660	2088822.162	6023620.673	0	RS-700	-0.14050226415
7763	-122.360	37.717	2127.337	2088821.192	6023621.811	0	RS-700	-0.12995610063
7764	-122.360	37.717	2097.269	2088820.150	6023622.948	0	RS-700	-0.31906490566
7765	-122.360	37.717	2068.434	2088819.293	6023623.886	0	RS-700	-0.50041301887
7766	-122.360	37.717	2052.528	2088818.438	6023624.765	0	RS-700	-0.60045270440
7767	-122.360	37.717	2072.263	2088817.807	6023625.389	0	RS-700	-0.47633213837
7768	-122.360	37.717	2024.834	2088817.064	6023626.098	0	RS-700	-0.77462968554
7769	-122.360	37.717	2031.531	2088816.101	6023626.947	0	RS-700	-0.73251106918
7770	-122.360	37.717	1977.911	2088814.987	6023627.995	0	RS-700	-1.06974452830
7771	-122.360	37.717	2087.647	2088813.910	6023629.044	0	RS-700	-0.37957591195
7772	-122.360	37.717	2095.070	2088812.831	6023630.209	0	RS-700	-0.33289345912
7773	-122.360	37.717	2003.522	2088811.714	6023631.430	0	RS-700	-0.90866880503
7774	-122.360	37.717	2097.449	2088810.667	6023632.798	0	RS-700	-0.31793371069
7775	-122.360	37.717	2022.830	2088809.801	6023634.228	0	RS-700	-0.78723283019
7776	-122.360	37.717	2015.930	2088808.898	6023635.685	0	RS-700	-0.83062660377
7777	-122.360	37.717	2005.829	2088808.032	6023637.114	0	RS-700	-0.89415761006
7778	-122.360	37.717	2017.423	2088807.239	6023638.545	0	RS-700	-0.82123779874
7779	-122.360	37.717	2004.120	2088806.338	6023639.887	0	RS-700	-0.90490333333
7780	-122.360	37.717	2085.168	2088805.401	6023641.199	0	RS-700	-0.39517213837
7781	-122.360	37.717	1987.915	2088804.426	6023642.626	0	RS-700	-1.00682698113
7782	-122.360	37.717	1886.685	2088803.522	6023644.113	0	RS-700	-1.64349069182
7783	-122.360	37.717	2042.634	2088802.544	6023645.713	0	RS-700	-0.66267628931
7784	-122.360	37.717	2151.091	2088801.752	6023647.057	0	RS-700	0.01943955975

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7785	-122.360	37.717	2134.876	2088800.739	6023648.570	0	RS-700	-0.08253974843
7786	-122.360	37.717	2139.094	2088799.798	6023650.085	0	RS-700	-0.05601006289
7787	-122.360	37.717	2095.237	2088798.971	6023651.371	0	RS-700	-0.33184088050
7788	-122.360	37.717	2114.343	2088798.179	6023652.772	0	RS-700	-0.21167974843
7789	-122.360	37.717	2093.079	2088797.273	6023654.374	0	RS-700	-0.34541754717
7790	-122.360	37.717	2089.075	2088796.257	6023656.003	0	RS-700	-0.37059547170
7791	-122.360	37.717	2121.992	2088795.284	6023657.344	0	RS-700	-0.16357283019
7792	-122.360	37.717	2035.939	2088794.312	6023658.597	0	RS-700	-0.70478345912
7793	-122.360	37.717	2054.737	2088793.488	6023659.738	0	RS-700	-0.58655792453
7794	-122.360	37.717	2168.003	2088792.553	6023660.993	0	RS-700	0.12580402516
7795	-122.360	37.717	2043.315	2088791.468	6023662.446	0	RS-700	-0.65839540881
7796	-122.360	37.717	2013.625	2088790.198	6023664.041	0	RS-700	-0.84512320755
7797	-122.360	37.717	2002.419	2088788.925	6023665.752	0	RS-700	-0.91560591195
7798	-122.360	37.717	2080.333	2088787.912	6023667.265	0	RS-700	-0.42557849057
7799	-122.360	37.717	2125.341	2088787.685	6023667.666	0	RS-700	-0.14251012579
7800	-122.360	37.717	2064.751	2088787.610	6023667.780	0	RS-700	-0.52357880503
7801	-122.360	37.717	2005.508	2088787.234	6023668.409	0	RS-700	-0.89617503145
7802	-122.360	37.717	2064.732	2088786.555	6023669.581	0	RS-700	-0.52369553459
7803	-122.360	37.717	2031.729	2088785.875	6023670.812	0	RS-700	-0.73126308176
7804	-122.360	37.717	1971.514	2088784.973	6023672.212	0	RS-700	-1.10997635220
7805	-122.360	37.717	1955.789	2088784.069	6023673.727	0	RS-700	-1.20887408805
7806	-122.360	37.717	1936.989	2088783.017	6023675.326	0	RS-700	-1.32711484277
7807	-122.360	37.717	1986.811	2088782.113	6023676.841	0	RS-700	-1.01376660377
7808	-122.360	37.717	2005.926	2088781.431	6023678.188	0	RS-700	-0.89354672956
7809	-122.360	37.717	2019.033	2088781.009	6023679.250	0	RS-700	-0.81111012579
7810	-122.360	37.717	2059.845	2088780.850	6023679.941	0	RS-700	-0.55443138365
7811	-122.360	37.717	1984.825	2088780.890	6023679.739	0	RS-700	-1.02625805031
7812	-122.360	37.717	2004.126	2088780.891	6023679.710	0	RS-700	-0.90486754717
7813	-122.360	37.717	2074.749	2088780.927	6023679.711	0	RS-700	-0.46069830189
7814	-122.360	37.717	2087.748	2088780.890	6023679.739	0	RS-700	-0.37894566038
7815	-122.360	37.717	2062.650	2088780.890	6023679.739	0	RS-700	-0.53679333333
7816	-122.360	37.717	2021.128	2088780.890	6023679.739	0	RS-700	-0.79793415094
7817	-122.360	37.717	1996.416	2088780.850	6023679.941	0	RS-700	-0.95335962264
7818	-122.360	37.717	2040.826	2088780.510	6023680.542	0	RS-700	-0.67404735849
7819	-122.360	37.717	1949.606	2088779.653	6023681.508	0	RS-700	-1.24776113208
7820	-122.360	37.717	1967.004	2088778.869	6023682.476	0	RS-700	-1.13833792453
7821	-122.360	37.717	1923.211	2088779.019	6023682.277	0	RS-700	-1.41376842767
7822	-122.360	37.717	1996.622	2088779.280	6023681.935	0	RS-700	-0.95206264151
7823	-122.360	37.717	2029.424	2088779.095	6023682.105	0	RS-700	-0.74576144654
7824	-122.360	37.717	2082.059	2088779.169	6023682.019	0	RS-700	-0.41472100629
7825	-122.360	37.717	2020.424	2088779.728	6023681.394	0	RS-700	-0.80236169811
7826	-122.360	37.717	2065.831	2088780.213	6023680.796	0	RS-700	-0.51678685535
7827	-122.360	37.717	2026.535	2088780.884	6023680.057	0	RS-700	-0.76392830189
7828	-122.360	37.717	1991.124	2088781.598	6023678.943	0	RS-700	-0.98664031447
7829	-122.360	37.717	2016.423	2088782.423	6023677.716	0	RS-700	-0.82752679245

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7830	-122.360	37.717	1928.315	2088782.988	6023676.772	0	RS-700	-1.38166930818
7831	-122.360	37.717	1920.883	2088783.064	6023676.658	0	RS-700	-1.42840798742
7832	-122.360	37.717	1997.922	2088782.247	6023677.452	0	RS-700	-0.94388924528
7833	-122.360	37.717	2050.532	2088780.691	6023678.752	0	RS-700	-0.61300421384
7834	-122.360	37.717	2083.480	2088778.846	6023679.988	0	RS-700	-0.40578415094
7835	-122.360	37.717	1968.315	2088776.930	6023681.107	0	RS-700	-1.13009295597
7836	-122.360	37.717	1954.275	2088775.015	6023682.139	0	RS-700	-1.21839773585
7837	-122.360	37.717	2081.060	2088773.393	6023683.120	0	RS-700	-0.42100496855
7838	-122.360	37.717	2003.614	2088772.208	6023684.138	0	RS-700	-0.90809018868
7839	-122.360	37.717	1913.881	2088771.241	6023685.131	0	RS-700	-1.47244899371
7840	-122.360	37.717	1880.775	2088770.378	6023686.387	0	RS-700	-1.68065836478
7841	-122.360	37.717	1968.615	2088769.659	6023687.790	0	RS-700	-1.12820484277
7842	-122.360	37.717	1847.958	2088768.976	6023689.136	0	RS-700	-1.88705792453
7843	-122.360	37.717	1933.692	2088768.035	6023690.680	0	RS-700	-1.34784773585
7844	-122.360	37.717	1954.701	2088766.947	6023692.278	0	RS-700	-1.21571415094
7845	-122.360	37.717	1935.411	2088766.575	6023692.705	0	RS-700	-1.33703534591
7846	-122.360	37.717	2021.445	2088765.941	6023693.415	0	RS-700	-0.79594572327
7847	-122.360	37.717	2034.037	2088765.043	6023694.613	0	RS-700	-0.71674918239
7848	-122.360	37.717	2033.940	2088764.116	6023695.462	0	RS-700	-0.71735754717
7849	-122.360	37.717	2019.118	2088763.111	6023696.542	0	RS-700	-0.81057742138
7850	-122.360	37.717	2060.952	2088761.997	6023697.648	0	RS-700	-0.54747408805
7851	-122.360	37.717	2092.220	2088761.100	6023698.816	0	RS-700	-0.35082025157
7852	-122.360	37.717	2004.320	2088760.162	6023700.186	0	RS-700	-0.90364798742
7853	-122.360	37.717	1967.709	2088759.328	6023701.847	0	RS-700	-1.13390433962
7854	-122.360	37.717	1916.403	2088758.382	6023703.622	0	RS-700	-1.45658427673
7855	-122.360	37.717	2027.032	2088757.398	6023705.483	0	RS-700	-0.76080314465
7856	-122.360	37.717	1974.618	2088756.345	6023707.169	0	RS-700	-1.09045320755
7857	-122.360	37.717	2066.640	2088755.364	6023708.857	0	RS-700	-0.51169735849
7858	-122.360	37.717	2065.158	2088754.347	6023710.543	0	RS-700	-0.52101893082
7859	-122.360	37.717	2013.126	2088753.404	6023712.202	0	RS-700	-0.84826352201
7860	-122.360	37.717	2083.061	2088752.609	6023713.720	0	RS-700	-0.40842012579
7861	-122.360	37.717	2031.039	2088752.041	6023714.808	0	RS-700	-0.73560553459
7862	-122.360	37.717	2086.744	2088751.738	6023715.410	0	RS-700	-0.38525496855
7863	-122.360	37.717	1986.617	2088751.501	6023716.331	0	RS-700	-1.01498786164
7864	-122.360	37.717	2020.221	2088751.416	6023716.965	0	RS-700	-0.80364308176
7865	-122.360	37.717	2075.959	2088751.376	6023717.138	0	RS-700	-0.45308534591
7866	-122.360	37.717	2011.828	2088751.376	6023717.138	0	RS-700	-0.85642654088
7867	-122.360	37.717	1994.018	2088751.217	6023717.772	0	RS-700	-0.96843874214
7868	-122.360	37.717	2084.481	2088750.650	6023718.831	0	RS-700	-0.39949031447
7869	-122.360	37.717	1925.791	2088749.752	6023720.028	0	RS-700	-1.39754295597
7870	-122.360	37.717	1984.420	2088748.230	6023721.502	0	RS-700	-1.02880704403
7871	-122.360	37.717	2055.533	2088746.640	6023722.714	0	RS-700	-0.58155540881
7872	-122.360	37.717	2029.930	2088745.084	6023724.043	0	RS-700	-0.74257641509
7873	-122.360	37.717	1972.513	2088743.637	6023725.345	0	RS-700	-1.10368943396
7874	-122.360	37.717	2021.731	2088742.633	6023726.425	0	RS-700	-0.79414484277

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7875	-122.360	37.717	2064.641	2088741.329	6023727.903	0	RS-700	-0.52427289308
7876	-122.360	37.717	2047.433	2088740.135	6023729.326	0	RS-700	-0.63249610063
7877	-122.360	37.717	2050.331	2088738.720	6023730.889	0	RS-700	-0.61427081761
7878	-122.360	37.717	1912.595	2088737.419	6023732.223	0	RS-700	-1.48053383648
7879	-122.360	37.717	1978.501	2088736.045	6023733.526	0	RS-700	-1.06602836478
7880	-122.360	37.717	1861.045	2088734.601	6023734.742	0	RS-700	-1.80475006289
7881	-122.360	37.717	1882.486	2088733.148	6023736.391	0	RS-700	-1.66989993711
7882	-122.360	37.717	1867.392	2088731.728	6023738.185	0	RS-700	-1.76483075472
7883	-122.360	37.717	2001.422	2088730.344	6023740.009	0	RS-700	-0.92187440252
7884	-122.360	37.717	2039.059	2088729.329	6023741.638	0	RS-700	-0.68516119497
7885	-122.360	37.717	2025.135	2088728.392	6023742.950	0	RS-700	-0.77273364780
7886	-122.360	37.717	2008.440	2088727.190	6023744.778	0	RS-700	-0.87773553459
7887	-122.360	37.717	2009.615	2088725.841	6023746.718	0	RS-700	-0.87034880503
7888	-122.360	37.717	1984.521	2088724.637	6023748.662	0	RS-700	-1.02816905660
7889	-122.360	37.717	1948.700	2088723.506	6023750.578	0	RS-700	-1.25346069182
7890	-122.360	37.717	1995.719	2088722.379	6023752.320	0	RS-700	-0.95774433962
7891	-122.360	37.717	2070.436	2088721.292	6023753.861	0	RS-700	-0.48782320755
7892	-122.360	37.717	2025.326	2088720.171	6023755.285	0	RS-700	-0.77153163522
7893	-122.360	37.717	2014.421	2088719.121	6023756.797	0	RS-700	-0.84011748428
7894	-122.360	37.717	2061.641	2088717.925	6023758.365	0	RS-700	-0.54313786164
7895	-122.360	37.717	2063.048	2088716.840	6023759.790	0	RS-700	-0.53428748428
7896	-122.360	37.717	1943.802	2088715.982	6023760.843	0	RS-700	-1.28426213836
7897	-122.360	37.717	2039.531	2088715.011	6023762.068	0	RS-700	-0.68219710692
7898	-122.360	37.717	2137.879	2088713.744	6023763.518	0	RS-700	-0.06365471698
7899	-122.360	37.717	2082.959	2088712.587	6023764.884	0	RS-700	-0.40906025157
7900	-122.360	37.717	2048.329	2088711.468	6023766.221	0	RS-700	-0.62686283019
7901	-122.360	37.717	2091.548	2088710.532	6023767.505	0	RS-700	-0.35504710692
7902	-122.360	37.717	2015.729	2088709.519	6023768.989	0	RS-700	-0.83189163522
7903	-122.360	37.717	2018.223	2088708.358	6023770.644	0	RS-700	-0.81620830189
7904	-122.360	37.717	2104.555	2088707.088	6023772.239	0	RS-700	-0.27323679245
7905	-122.360	37.717	2066.745	2088706.004	6023773.635	0	RS-700	-0.51103930818
7906	-122.360	37.717	2033.250	2088704.993	6023775.032	0	RS-700	-0.72170006289
7907	-122.360	37.717	2102.292	2088703.941	6023776.660	0	RS-700	-0.28747314465
7908	-122.360	37.717	2076.549	2088703.038	6023778.089	0	RS-700	-0.44937660377
7909	-122.360	37.717	2084.227	2088702.063	6023779.516	0	RS-700	-0.40108503145
7910	-122.360	37.717	2052.747	2088701.092	6023780.712	0	RS-700	-0.59907270440
7911	-122.360	37.717	2102.198	2088700.900	6023781.229	0	RS-700	-0.28806452830
7912	-122.360	37.716	2035.735	2088699.606	6023782.187	0	RS-700	-0.70607169811
7913	-122.360	37.716	2073.385	2088698.387	6023783.059	0	RS-700	-0.46927371069
7914	-122.360	37.716	2037.835	2088697.272	6023784.194	0	RS-700	-0.69286062893
7915	-122.360	37.716	2037.844	2088695.610	6023785.348	0	RS-700	-0.69280679245
7916	-122.360	37.716	2167.001	2088694.786	6023786.488	0	RS-700	0.11950459120
7917	-122.360	37.716	2216.688	2088693.808	6023788.060	0	RS-700	0.43199968554
7918	-122.360	37.716	2180.221	2088693.447	6023789.731	0	RS-700	0.20264591195
7919	-122.360	37.716	2239.371	2088690.631	6023792.134	0	RS-700	0.57465754717

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7920	-122.360	37.716	2158.456	2088689.694	6023793.504	0	RS-700	-0.11009876833
7921	-122.360	37.716	2148.422	2088688.645	6023794.988	0	RS-700	-0.13952501466
7922	-122.360	37.716	2072.648	2088687.557	6023796.557	0	RS-700	-0.36173730205
7923	-122.360	37.716	2117.657	2088686.507	6023798.099	0	RS-700	-0.22974375367
7924	-122.360	37.716	2197.902	2088685.682	6023799.297	0	RS-700	0.00557791789
7925	-122.360	37.716	2356.735	2088685.814	6023799.994	0	RS-700	0.47136369502
7926	-122.360	37.716	2458.383	2088685.136	6023801.109	0	RS-700	0.76945108504
7927	-122.360	37.716	2177.892	2088684.238	6023802.306	0	RS-700	-0.05310237537
7928	-122.360	37.716	1863.080	2088683.525	6023803.392	0	RS-700	-0.97630636364
7929	-122.360	37.716	1567.483	2088682.658	6023804.821	0	RS-700	-1.84315912023
7930	-122.360	37.716	1651.261	2088681.947	6023805.790	0	RS-700	-1.59747536657
7931	-122.360	37.716	1954.413	2088681.193	6023807.077	0	RS-700	-0.70846524927
7932	-122.360	37.716	1996.130	2088680.894	6023807.476	0	RS-700	-0.58613043988
7933	-122.360	37.716	2241.919	2088680.258	6023808.303	0	RS-700	0.13466099707
7934	-122.360	37.716	2383.201	2088679.433	6023809.501	0	RS-700	0.54897659824
7935	-122.360	37.716	2329.709	2088678.458	6023810.957	0	RS-700	1.14282654088
7936	-122.360	37.716	2061.534	2088677.294	6023812.699	0	RS-700	-0.54381018868
7937	-122.360	37.716	2147.005	2088676.471	6023813.811	0	RS-700	-0.00625974843
7938	-122.360	37.716	2130.984	2088676.281	6023814.183	0	RS-700	-0.10701641509
7939	-122.360	37.716	2111.761	2088676.281	6023814.212	0	RS-700	-0.22792012579
7940	-122.360	37.716	2147.882	2088676.281	6023814.212	0	RS-700	-0.00073987421
7941	-122.360	37.716	2128.874	2088676.281	6023814.212	0	RS-700	-0.12029245283
7942	-122.360	37.716	2129.875	2088676.281	6023814.212	0	RS-700	-0.11399679245
7943	-122.360	37.716	2125.879	2088676.281	6023814.212	0	RS-700	-0.13912679245
7944	-122.360	37.716	2074.541	2088676.280	6023814.241	0	RS-700	-0.46200503145
7945	-122.360	37.716	2081.858	2088676.280	6023814.241	0	RS-700	-0.41598867925
7946	-122.360	37.716	2102.864	2088676.280	6023814.241	0	RS-700	-0.28387232704
7947	-122.360	37.716	2129.662	2088676.280	6023814.241	0	RS-700	-0.11533547170
7948	-122.360	37.716	2077.530	2088676.244	6023814.240	0	RS-700	-0.44320540881
7949	-122.360	37.716	2102.546	2088676.280	6023814.241	0	RS-700	-0.28587654088
7950	-122.360	37.716	2044.147	2088676.280	6023814.241	0	RS-700	-0.65316358491
7951	-122.360	37.716	2084.649	2088676.243	6023814.269	0	RS-700	-0.39843213837
7952	-122.360	37.716	2131.410	2088676.169	6023814.326	0	RS-700	-0.10433811321
7953	-122.360	37.716	2054.737	2088676.059	6023814.381	0	RS-700	-0.58656018868
7954	-122.360	37.716	2083.435	2088675.985	6023814.438	0	RS-700	-0.40606610063
7955	-122.360	37.716	2116.868	2088675.911	6023814.494	0	RS-700	-0.19579830189
7956	-122.360	37.716	2125.302	2088675.837	6023814.551	0	RS-700	-0.14275635220
7957	-122.360	37.716	2070.853	2088675.763	6023814.578	0	RS-700	-0.48519911950
7958	-122.360	37.716	1969.108	2088675.763	6023814.578	0	RS-700	-1.12510459119
7959	-122.360	37.716	2055.941	2088675.764	6023814.549	0	RS-700	-0.57898528302
7960	-122.360	37.716	2043.536	2088675.801	6023814.521	0	RS-700	-0.65700547170
7961	-122.360	37.716	2128.874	2088675.837	6023814.522	0	RS-700	-0.12029125786
7962	-122.360	37.716	2104.973	2088675.874	6023814.494	0	RS-700	-0.27060698113
7963	-122.360	37.716	2119.973	2088675.838	6023814.493	0	RS-700	-0.17627201258
7964	-122.360	37.716	2152.559	2088675.838	6023814.493	0	RS-700	0.02867389937



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7965	-122.360	37.716	2047.837	2088675.874	6023814.494	0	RS-700	-0.62995490566
7966	-122.360	37.716	2133.339	2088675.874	6023814.494	0	RS-700	-0.09220610063
7967	-122.360	37.716	2058.152	2088675.874	6023814.494	0	RS-700	-0.56508283019
7968	-122.360	37.716	2052.048	2088675.874	6023814.494	0	RS-700	-0.60347314465
7969	-122.360	37.716	2101.439	2088675.874	6023814.494	0	RS-700	-0.29283886793
7970	-122.360	37.716	2077.542	2088675.838	6023814.493	0	RS-700	-0.44313163522
7971	-122.360	37.716	2101.184	2088675.837	6023814.522	0	RS-700	-0.29444188679
7972	-122.360	37.716	2093.075	2088675.801	6023814.521	0	RS-700	-0.34544157233
7973	-122.360	37.716	2174.570	2088675.801	6023814.521	0	RS-700	0.16710867925
7974	-122.360	37.716	2068.056	2088675.801	6023814.521	0	RS-700	-0.50279503145
7975	-122.360	37.716	2117.658	2088675.801	6023814.521	0	RS-700	-0.19082974843
7976	-122.360	37.716	2134.671	2088675.764	6023814.549	0	RS-700	-0.08383276730
7977	-122.360	37.716	2124.874	2088675.765	6023814.520	0	RS-700	-0.14544691824
7978	-122.360	37.716	2167.895	2088675.728	6023814.548	0	RS-700	0.12512830189
7979	-122.360	37.716	2188.573	2088675.615	6023814.720	0	RS-700	0.25517396226
7980	-122.360	37.716	2076.644	2088675.090	6023815.462	0	RS-700	-0.44877811321
7981	-122.360	37.716	2026.731	2088674.047	6023816.627	0	RS-700	-0.76270106918
7982	-122.360	37.716	2105.868	2088672.929	6023817.907	0	RS-700	-0.26498339623
7983	-122.360	37.716	2091.862	2088671.590	6023819.327	0	RS-700	-0.35307088050
7984	-122.360	37.716	2130.775	2088670.252	6023820.689	0	RS-700	-0.10833415094
7985	-122.360	37.716	2145.992	2088668.877	6023822.079	0	RS-700	-0.01263119497
7986	-122.360	37.716	2071.951	2088667.684	6023823.444	0	RS-700	-0.47829610063
7987	-122.360	37.716	2048.844	2088666.680	6023824.494	0	RS-700	-0.62362477987
7988	-122.360	37.716	2033.140	2088665.384	6023825.597	0	RS-700	-0.72239213837
7989	-122.360	37.716	1981.008	2088664.118	6023826.989	0	RS-700	-1.05026106918
7990	-122.360	37.716	2014.205	2088662.554	6023828.694	0	RS-700	-0.84147949686
7991	-122.360	37.716	1870.666	2088661.028	6023830.342	0	RS-700	-1.74423830189
7992	-122.360	37.716	1969.922	2088659.576	6023831.962	0	RS-700	-1.11998691824
7993	-122.360	37.716	1984.514	2088658.340	6023833.673	0	RS-700	-1.02821358491
7994	-122.360	37.716	2073.842	2088657.027	6023835.586	0	RS-700	-0.46640069182
7995	-122.360	37.716	2034.414	2088655.787	6023837.528	0	RS-700	-0.71437471698
7996	-122.360	37.716	1977.517	2088654.619	6023839.472	0	RS-700	-1.07222314465
7997	-122.360	37.716	2072.058	2088653.490	6023841.301	0	RS-700	-0.47762471698
7998	-122.359	37.716	2113.658	2088652.103	6023843.299	0	RS-700	-0.21598540881
7999	-122.359	37.716	2053.743	2088650.535	6023845.235	0	RS-700	-0.59281094340
8000	-122.359	37.716	1997.420	2088649.009	6023846.912	0	RS-700	-0.94704176101
8001	-122.359	37.716	2041.038	2088647.924	6023848.337	0	RS-700	-0.67271836478
8002	-122.359	37.716	2102.760	2088646.950	6023849.706	0	RS-700	-0.28452597484
8003	-122.359	37.716	2031.526	2088646.279	6023850.503	0	RS-700	-0.73254056604
8004	-122.359	37.716	2038.548	2088647.020	6023849.823	0	RS-700	-0.68837484277
8005	-122.359	37.716	2019.530	2088648.032	6023848.426	0	RS-700	-0.80798628931
8006	-122.359	37.716	2108.341	2088648.288	6023846.492	0	RS-700	-0.24942911950
8007	-122.359	37.716	2048.841	2088647.703	6023844.803	0	RS-700	-0.62364345912
8008	-122.359	37.716	2081.544	2088646.998	6023843.631	0	RS-700	-0.41796484277
8009	-122.359	37.716	2018.220	2088646.837	6023842.558	0	RS-700	-0.81622415094

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8010	-122.360	37.716	2037.554	2088646.930	6023841.547	0	RS-700	-0.69462968554
8011	-122.360	37.716	1981.608	2088647.132	6023840.567	0	RS-700	-1.04648773585
8012	-122.360	37.716	2109.394	2088647.475	6023839.764	0	RS-700	-0.24280704403
8013	-122.360	37.716	2064.951	2088647.854	6023839.020	0	RS-700	-0.52232044025
8014	-122.360	37.716	2072.266	2088648.451	6023838.308	0	RS-700	-0.47631459120
8015	-122.360	37.716	1966.710	2088649.198	6023837.368	0	RS-700	-1.14019062893
8016	-122.360	37.716	2045.427	2088650.093	6023836.316	0	RS-700	-0.64511132076
8017	-122.360	37.716	1998.724	2088650.952	6023835.262	0	RS-700	-0.93884044025
8018	-122.360	37.716	1947.080	2088651.733	6023834.410	0	RS-700	-1.26365094340
8019	-122.360	37.716	1962.808	2088652.144	6023833.897	0	RS-700	-1.16473176101
8020	-122.360	37.716	2051.124	2088652.183	6023833.782	0	RS-700	-0.60928201258
8021	-122.360	37.716	1958.098	2088652.183	6023833.782	0	RS-700	-1.19435339623
8022	-122.360	37.716	2011.622	2088652.219	6023833.783	0	RS-700	-0.85772182390
8023	-122.360	37.716	2026.322	2088652.183	6023833.782	0	RS-700	-0.76527006289
8024	-122.360	37.716	2106.338	2088652.183	6023833.782	0	RS-700	-0.26202578616
8025	-122.360	37.716	2071.850	2088652.183	6023833.782	0	RS-700	-0.47892905660
8026	-122.360	37.716	2030.943	2088652.183	6023833.782	0	RS-700	-0.73620761006
8027	-122.360	37.716	1991.710	2088652.146	6023833.811	0	RS-700	-0.98295641509
8028	-122.360	37.716	2062.629	2088652.146	6023833.811	0	RS-700	-0.53692264151
8029	-122.360	37.716	1979.203	2088652.145	6023833.839	0	RS-700	-1.06161748428
8030	-122.360	37.716	1989.419	2088652.108	6023833.868	0	RS-700	-0.99736408805
8031	-122.360	37.716	1927.401	2088652.145	6023833.839	0	RS-700	-1.38741578616
8032	-122.360	37.716	2017.535	2088652.369	6023833.584	0	RS-700	-0.82053333333
8033	-122.360	37.716	1944.097	2088653.080	6023832.643	0	RS-700	-1.28240610063
8034	-122.360	37.716	1963.611	2088654.089	6023831.332	0	RS-700	-1.15967811321
8035	-122.360	37.716	1977.107	2088655.288	6023829.649	0	RS-700	-1.07479704403
8036	-122.360	37.716	1989.732	2088656.601	6023827.737	0	RS-700	-0.99539484277
8037	-122.360	37.716	2110.550	2088658.022	6023825.827	0	RS-700	-0.23553742138
8038	-122.360	37.716	2048.534	2088659.554	6023823.890	0	RS-700	-0.62556968554
8039	-122.360	37.716	2036.633	2088661.046	6023822.097	0	RS-700	-0.70042251572
8040	-122.360	37.716	1975.811	2088662.502	6023820.332	0	RS-700	-1.08294918239
8041	-122.360	37.716	2002.816	2088663.811	6023818.593	0	RS-700	-0.91310591195
8042	-122.360	37.716	1990.321	2088665.304	6023816.800	0	RS-700	-0.99169371069
8043	-122.360	37.716	2006.123	2088666.834	6023814.921	0	RS-700	-0.89230742138
8044	-122.360	37.716	1993.012	2088668.185	6023812.923	0	RS-700	-0.97476540881
8045	-122.360	37.716	2081.441	2088669.570	6023811.041	0	RS-700	-0.41860861635
8046	-122.360	37.716	2291.711	2088670.730	6023809.444	0	RS-700	0.90384194969
8047	-122.360	37.716	2256.474	2088671.588	6023808.449	0	RS-700	0.68222591195
8048	-122.360	37.716	2129.546	2088671.439	6023808.619	0	RS-700	-0.11606402516
8049	-122.360	37.716	2191.792	2088671.289	6023808.819	0	RS-700	0.27542389937
8050	-122.360	37.716	2238.058	2088671.290	6023808.790	0	RS-700	0.56640000000
8051	-122.360	37.716	2152.105	2088671.289	6023808.819	0	RS-700	0.02582025157
8052	-122.360	37.716	2246.036	2088671.326	6023808.819	0	RS-700	0.61657691824
8053	-122.360	37.716	2177.548	2088671.326	6023808.819	0	RS-700	0.18583534591
8054	-122.360	37.716	2254.365	2088671.326	6023808.819	0	RS-700	0.66896113208

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8055	-122.360	37.716	2241.021	2088671.289	6023808.819	0	RS-700	0.58503610063
8056	-122.360	37.716	2282.606	2088671.289	6023808.819	0	RS-700	0.84657748428
8057	-122.360	37.716	2191.898	2088671.326	6023808.819	0	RS-700	0.27608773585
8058	-122.360	37.716	2218.801	2088671.289	6023808.819	0	RS-700	0.44529088050
8059	-122.360	37.716	2320.727	2088671.289	6023808.848	0	RS-700	1.08633031447
8060	-122.360	37.716	2291.181	2088671.289	6023808.819	0	RS-700	0.90050949686
8061	-122.360	37.716	2212.686	2088671.289	6023808.848	0	RS-700	0.40683194969
8062	-122.360	37.716	2266.806	2088671.289	6023808.848	0	RS-700	0.74720635220
8063	-122.360	37.716	2239.695	2088671.326	6023808.819	0	RS-700	0.57669742138
8064	-122.360	37.716	2227.925	2088671.325	6023808.848	0	RS-700	0.50267490566
8065	-122.360	37.716	2311.719	2088671.326	6023808.819	0	RS-700	1.02967905660
8066	-122.360	37.716	2248.154	2088671.361	6023808.849	0	RS-700	0.62989729560
8067	-122.360	37.716	2192.913	2088671.175	6023809.048	0	RS-700	0.28246974843
8068	-122.360	37.716	2335.076	2088671.138	6023809.105	0	RS-700	1.17657943396
8069	-122.360	37.716	2261.816	2088671.699	6023808.335	0	RS-700	0.71582132076
8070	-122.360	37.716	2326.185	2088671.774	6023808.221	0	RS-700	1.12066150943
8071	-122.360	37.716	2371.202	2088671.475	6023808.620	0	RS-700	1.40378566038
8072	-122.360	37.716	2382.963	2088671.999	6023807.907	0	RS-700	1.47775176101
8073	-122.360	37.716	2427.760	2088672.935	6023806.624	0	RS-700	1.75949597484
8074	-122.360	37.716	1967.706	2088673.945	6023805.313	0	RS-700	-0.66948249267
8075	-122.360	37.716	1617.663	2088675.218	6023803.545	0	RS-700	-1.69600193548
8076	-122.360	37.716	1961.221	2088676.753	6023801.463	0	RS-700	-0.68850055719
8077	-122.360	37.716	2475.400	2088678.504	6023799.444	0	RS-700	0.81935557185
8078	-122.360	37.716	2292.481	2088680.229	6023796.961	0	RS-700	0.28293621701
8079	-122.360	37.716	2131.764	2088681.950	6023794.681	0	RS-700	-0.18837480938
8080	-122.360	37.716	2132.084	2088683.706	6023792.430	0	RS-700	-0.18743554252
8081	-122.360	37.716	2171.899	2088686.651	6023788.988	0	RS-700	0.15030729560
8082	-122.360	37.716	2081.961	2088688.815	6023786.399	0	RS-700	-0.41534182390
8083	-122.360	37.716	2075.538	2088691.044	6023784.186	0	RS-700	-0.45573377359
8084	-122.360	37.716	2086.640	2088693.126	6023782.058	0	RS-700	-0.38591345912
8085	-122.360	37.716	2020.424	2088694.991	6023779.867	0	RS-700	-0.80236289308
8086	-122.360	37.716	2117.657	2088696.854	6023777.706	0	RS-700	-0.19083723270
8087	-122.360	37.716	2148.562	2088698.013	6023776.224	0	RS-700	0.00353396226
8088	-122.360	37.717	1975.082	2088700.834	6023773.532	0	RS-700	-1.08753509434
8089	-122.360	37.717	2013.423	2088701.815	6023771.845	0	RS-700	-0.84639792453
8090	-122.360	37.717	2008.615	2088703.614	6023769.277	0	RS-700	-0.87663616352
8091	-122.360	37.717	2051.039	2088705.776	6023766.774	0	RS-700	-0.60981685535
8092	-122.360	37.717	1981.321	2088707.685	6023764.150	0	RS-700	-1.04829465409
8093	-122.360	37.717	2000.227	2088709.450	6023761.466	0	RS-700	-0.92939157233
8094	-122.360	37.717	1978.811	2088711.321	6023758.957	0	RS-700	-1.06407886792
8095	-122.360	37.717	1846.584	2088713.045	6023756.532	0	RS-700	-1.89569698113
8096	-122.360	37.717	1961.709	2088714.651	6023754.510	0	RS-700	-1.17164113208
8097	-122.360	37.717	1902.500	2088716.109	6023752.600	0	RS-700	-1.54402748428
8098	-122.360	37.717	1985.221	2088717.456	6023750.805	0	RS-700	-1.02376603774
8099	-122.360	37.717	2013.927	2088718.989	6023748.781	0	RS-700	-0.84322672956

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8100	-122.360	37.717	1917.693	2088721.337	6023746.108	0	RS-700	-1.44847314465
8101	-122.360	37.717	1952.095	2088722.902	6023744.317	0	RS-700	-1.23210930818
8102	-122.360	37.717	2026.833	2088723.620	6023743.000	0	RS-700	-0.76205503145
8103	-122.360	37.717	2084.654	2088725.117	6023741.005	0	RS-700	-0.39839993711
8104	-122.360	37.717	1960.214	2088727.535	6023738.420	0	RS-700	-1.18104138365
8105	-122.360	37.717	1924.790	2088729.212	6023736.515	0	RS-700	-1.40383572327
8106	-122.360	37.717	1972.517	2088730.887	6023734.697	0	RS-700	-1.10366672956
8107	-122.360	37.717	1972.008	2088732.562	6023732.879	0	RS-700	-1.10686704403
8108	-122.360	37.717	2019.729	2088734.095	6023730.884	0	RS-700	-0.80673610063
8109	-122.360	37.717	1999.825	2088735.413	6023728.682	0	RS-700	-0.93191578616
8110	-122.360	37.717	2074.169	2088736.802	6023726.627	0	RS-700	-0.46434679245
8111	-122.360	37.717	2104.442	2088738.264	6023724.515	0	RS-700	-0.27394949686
8112	-122.360	37.717	2048.531	2088739.800	6023722.376	0	RS-700	-0.62559339623
8113	-122.360	37.717	1982.815	2088741.483	6023720.153	0	RS-700	-1.03889729560
8114	-122.360	37.717	1892.491	2088743.201	6023717.959	0	RS-700	-1.60697496855
8115	-122.360	37.717	1952.704	2088744.956	6023715.796	0	RS-700	-1.22827698113
8116	-122.360	37.717	2158.781	2088746.854	6023713.750	0	RS-700	0.06780452830
8117	-122.360	37.717	1945.989	2088748.791	6023711.590	0	RS-700	-1.27050886792
8118	-122.360	37.717	1641.622	2088750.441	6023709.193	0	RS-700	-3.18477012579
8119	-122.360	37.717	1472.244	2088752.057	6023706.679	0	RS-700	-4.25003572327
8120	-122.360	37.717	1473.308	2088752.781	6023705.073	0	RS-700	-4.24334528302
8121	-122.360	37.717	1907.295	2088754.616	6023702.535	0	RS-700	-1.51386867925
8122	-122.360	37.717	2090.859	2088755.977	6023700.016	0	RS-700	-0.35937477987
8123	-122.360	37.717	1995.914	2088758.403	6023697.055	0	RS-700	-0.95651716981
8124	-122.360	37.717	2019.026	2088759.089	6023695.536	0	RS-700	-0.81115452830
8125	-122.360	37.717	1956.411	2088761.727	6023692.898	0	RS-700	-1.20496383648
8126	-122.360	37.717	1991.535	2088762.665	6023691.528	0	RS-700	-0.98405805031
8127	-122.360	37.717	1882.496	2088764.047	6023689.761	0	RS-700	-1.66983779874
8128	-122.360	37.717	2010.122	2088765.361	6023687.820	0	RS-700	-0.86715918239
8129	-122.360	37.717	1936.281	2088766.496	6023685.644	0	RS-700	-1.33156792453
8130	-122.360	37.717	1920.887	2088768.441	6023683.079	0	RS-700	-1.42838496855
8131	-122.360	37.717	1998.937	2088769.607	6023681.251	0	RS-700	-0.93750540881
8132	-122.360	37.717	1974.516	2088769.739	6023680.096	0	RS-700	-1.09109238994
8133	-122.360	37.717	1925.693	2088771.375	6023678.393	0	RS-700	-1.39815471698
8134	-122.360	37.717	1980.321	2088772.130	6023677.077	0	RS-700	-1.05458440252
8135	-122.360	37.717	1953.410	2088773.585	6023675.312	0	RS-700	-1.22383672956
8136	-122.360	37.717	1895.979	2088775.083	6023673.259	0	RS-700	-1.58503704403
8137	-122.360	37.717	1970.809	2088776.585	6023670.974	0	RS-700	-1.11441069182
8138	-122.360	37.717	2027.340	2088778.486	6023668.756	0	RS-700	-0.75886748428
8139	-122.360	37.717	2005.121	2088780.277	6023666.592	0	RS-700	-0.89861132076
8140	-122.360	37.717	2021.358	2088781.890	6023664.252	0	RS-700	-0.79649113208
8141	-122.360	37.717	1971.208	2088783.610	6023662.001	0	RS-700	-1.11189867925
8142	-122.360	37.717	1926.698	2088785.148	6023659.746	0	RS-700	-1.39183371069
8143	-122.360	37.717	2050.950	2088786.795	6023657.522	0	RS-700	-0.61037899371
8144	-122.360	37.717	2053.950	2088788.656	6023655.476	0	RS-700	-0.59150886793

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8145	-122.360	37.717	1992.713	2088790.483	6023653.343	0	RS-700	-0.97664748428
8146	-122.360	37.717	2076.961	2088792.564	6023651.272	0	RS-700	-0.44678610063
8147	-122.360	37.717	2181.790	2088794.607	6023649.259	0	RS-700	0.21251465409
8148	-122.360	37.717	2070.331	2088796.615	6023647.187	0	RS-700	-0.48848213837
8149	-122.360	37.717	2094.865	2088798.512	6023645.170	0	RS-700	-0.33418025157
8150	-122.360	37.717	1944.711	2088800.050	6023642.915	0	RS-700	-1.27854798742
8151	-122.360	37.717	1956.617	2088801.626	6023640.574	0	RS-700	-1.20366452830
8152	-122.360	37.717	1940.986	2088803.242	6023638.090	0	RS-700	-1.30197647799
8153	-122.360	37.717	1910.595	2088804.964	6023635.723	0	RS-700	-1.49311144654
8154	-122.360	37.717	2033.244	2088806.645	6023633.586	0	RS-700	-0.72173761006
8155	-122.360	37.717	1946.992	2088808.176	6023631.707	0	RS-700	-1.26419968553
8156	-122.360	37.717	2003.719	2088809.818	6023629.715	0	RS-700	-0.90742622642
8157	-122.360	37.717	1969.616	2088811.534	6023627.666	0	RS-700	-1.12191427673
8158	-122.360	37.717	1983.206	2088813.250	6023625.588	0	RS-700	-1.03644106918
8159	-122.360	37.717	2077.742	2088815.005	6023623.424	0	RS-700	-0.44187402516
8160	-122.360	37.717	2031.048	2088816.611	6023621.402	0	RS-700	-0.73554899371
8161	-122.360	37.717	2018.614	2088818.181	6023619.379	0	RS-700	-0.81374716981
8162	-122.360	37.717	2069.158	2088819.751	6023617.356	0	RS-700	-0.49586062893
8163	-122.360	37.717	2021.524	2088821.356	6023615.392	0	RS-700	-0.79544559748
8164	-122.360	37.717	1970.810	2088823.036	6023613.342	0	RS-700	-1.11440157233
8165	-122.360	37.717	2019.924	2088824.935	6023611.210	0	RS-700	-0.80551119497
8166	-122.360	37.717	2055.733	2088826.471	6023609.071	0	RS-700	-0.58029289308
8167	-122.360	37.717	1950.605	2088828.044	6023606.904	0	RS-700	-1.24147987421
8168	-122.360	37.717	1993.620	2088829.691	6023604.651	0	RS-700	-0.97094213837
8169	-122.360	37.717	1995.819	2088831.338	6023602.427	0	RS-700	-0.95711018868
8170	-122.360	37.717	1995.723	2088832.838	6023600.258	0	RS-700	-0.95771484277
8171	-122.360	37.717	2009.119	2088834.486	6023597.948	0	RS-700	-0.87346528302
8172	-122.360	37.717	2074.953	2088836.167	6023595.811	0	RS-700	-0.45941440252
8173	-122.360	37.717	2037.837	2088838.029	6023593.736	0	RS-700	-0.69285207547
8174	-122.360	37.717	2009.723	2088839.857	6023591.574	0	RS-700	-0.86966867925
8175	-122.360	37.717	2080.208	2088841.502	6023589.408	0	RS-700	-0.42636433962
8176	-122.360	37.717	2082.061	2088843.368	6023587.188	0	RS-700	-0.41471352201
8177	-122.360	37.717	2073.951	2088845.233	6023584.940	0	RS-700	-0.46571622642
8178	-122.360	37.717	2126.557	2088847.062	6023582.691	0	RS-700	-0.13486295598
8179	-122.360	37.717	2173.894	2088848.892	6023580.413	0	RS-700	0.16285679245
8180	-122.360	37.717	2120.659	2088850.759	6023578.107	0	RS-700	-0.17195584906
8181	-122.360	37.717	2085.939	2088852.555	6023575.712	0	RS-700	-0.39031867925
8182	-122.360	37.717	2162.535	2088853.985	6023573.397	0	RS-700	0.09141509434
8183	-122.360	37.717	2101.338	2088855.448	6023571.257	0	RS-700	-0.29347018868
8184	-122.360	37.717	2048.841	2088856.983	6023569.146	0	RS-700	-0.62364119497
8185	-122.360	37.717	1857.921	2088858.878	6023567.217	0	RS-700	-1.82439584906
8186	-122.360	37.717	1817.698	2088860.700	6023565.372	0	RS-700	-2.07737377358
8187	-122.360	37.717	1789.090	2088862.448	6023563.527	0	RS-700	-2.25729666667
8188	-122.360	37.717	1956.998	2088863.833	6023561.645	0	RS-700	-1.20127025157
8189	-122.360	37.717	2100.545	2088865.554	6023559.365	0	RS-700	-0.29845830189

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8190	-122.361	37.717	2122.401	2088866.574	6023557.475	0	RS-700	-0.16099836478
8191	-122.361	37.717	1995.615	2088867.487	6023555.555	0	RS-700	-0.95839597484
8192	-122.361	37.717	2064.635	2088868.578	6023553.812	0	RS-700	-0.52431044025
8193	-122.361	37.717	2039.729	2088869.962	6023551.959	0	RS-700	-0.68094716981
8194	-122.361	37.717	2021.737	2088871.569	6023549.879	0	RS-700	-0.79410716981
8195	-122.361	37.717	2022.339	2088873.361	6023547.658	0	RS-700	-0.79032207547
8196	-122.361	37.717	2095.979	2088875.154	6023545.437	0	RS-700	-0.32717761006
8197	-122.361	37.717	2091.732	2088876.837	6023543.214	0	RS-700	-0.35388773585
8198	-122.361	37.717	1965.718	2088878.301	6023541.016	0	RS-700	-1.14642698113
8199	-122.361	37.717	1997.120	2088879.692	6023538.816	0	RS-700	-0.94893088050
8200	-122.361	37.717	2047.253	2088881.082	6023536.703	0	RS-700	-0.63363138365
8201	-122.361	37.717	1964.000	2088882.289	6023534.586	0	RS-700	-1.15723062893
8202	-122.361	37.717	1993.421	2088883.086	6023532.981	0	RS-700	-0.97219283019
8203	-122.361	37.717	1982.609	2088884.177	6023531.209	0	RS-700	-1.04019584906
8204	-122.361	37.717	2065.738	2088885.448	6023529.586	0	RS-700	-0.51736867925
8205	-122.361	37.717	1980.807	2088887.022	6023527.331	0	RS-700	-1.05152622642
8206	-122.361	37.717	1858.856	2088888.193	6023525.214	0	RS-700	-1.81851779874
8207	-122.361	37.717	2061.745	2088889.069	6023523.293	0	RS-700	-0.54248289308
8208	-122.361	37.717	2108.342	2088889.677	6023522.032	0	RS-700	-0.24942389937
8209	-122.361	37.717	2113.762	2088890.251	6023520.655	0	RS-700	-0.21533238994
8210	-122.361	37.717	2150.202	2088891.378	6023518.884	0	RS-700	0.01385106918
8211	-122.361	37.717	2157.860	2088892.544	6023517.055	0	RS-700	0.06201238994
8212	-122.361	37.717	2133.444	2088893.747	6023515.141	0	RS-700	-0.09154949686
8213	-122.361	37.717	2178.005	2088894.692	6023513.424	0	RS-700	0.18870918239
8214	-122.361	37.717	2223.694	2088895.375	6023512.020	0	RS-700	0.47606125786
8215	-122.361	37.717	2220.810	2088895.528	6023511.647	0	RS-700	0.45792710692
8216	-122.361	37.717	2216.808	2088895.377	6023511.933	0	RS-700	0.43275503145
8217	-122.361	37.717	2155.991	2088895.339	6023512.019	0	RS-700	0.05025867925
8218	-122.361	37.717	2116.870	2088895.114	6023512.333	0	RS-700	-0.19578754717
8219	-122.361	37.717	2100.070	2088894.139	6023513.760	0	RS-700	-0.30144402516
8220	-122.361	37.717	2096.051	2088892.319	6023515.517	0	RS-700	-0.32672515723
8221	-122.361	37.717	2097.545	2088889.708	6023516.825	0	RS-700	-0.31732503145
8222	-122.361	37.717	2137.339	2088886.745	6023517.461	0	RS-700	-0.06704842767
8223	-122.361	37.717	2080.854	2088883.862	6023517.779	0	RS-700	-0.42230025157
8224	-122.361	37.717	1843.222	2088881.660	6023518.604	0	RS-700	-1.91684345912
8225	-122.361	37.717	1907.875	2088880.367	6023519.533	0	RS-700	-1.51022119497
8226	-122.361	37.717	2047.940	2088879.545	6023520.587	0	RS-700	-0.62930666667
8227	-122.361	37.717	2082.379	2088879.137	6023520.955	0	RS-700	-0.41271371069
8228	-122.361	37.717	2034.527	2088878.951	6023521.125	0	RS-700	-0.71366949686
8229	-122.361	37.717	1806.743	2088879.509	6023520.557	0	RS-700	-2.14627088050
8230	-122.361	37.717	2035.148	2088881.110	6023518.795	0	RS-700	-0.70975880503
8231	-122.361	37.717	2136.770	2088882.049	6023517.338	0	RS-700	-0.07062591195
8232	-122.361	37.717	2172.451	2088883.026	6023515.824	0	RS-700	0.15377754717
8233	-122.361	37.717	2163.104	2088884.226	6023514.112	0	RS-700	0.09499566038
8234	-122.361	37.717	2124.342	2088885.614	6023512.057	0	RS-700	-0.14879270440

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8235	-122.361	37.717	2199.567	2088887.222	6023509.948	0	RS-700	0.32432044025
8236	-122.361	37.717	2217.021	2088888.976	6023507.842	0	RS-700	0.43409578616
8237	-122.361	37.717	2145.098	2088890.364	6023505.787	0	RS-700	-0.01825358491
8238	-122.361	37.717	2192.792	2088891.343	6023504.157	0	RS-700	0.28171144654
8239	-122.361	37.717	2274.737	2088891.943	6023503.330	0	RS-700	0.79708962264
8240	-122.361	37.717	2174.676	2088892.129	6023503.103	0	RS-700	0.16777358491
8241	-122.361	37.717	2159.764	2088892.129	6023503.103	0	RS-700	0.07398735849
8242	-122.361	37.717	2209.718	2088892.130	6023503.074	0	RS-700	0.38816559748
8243	-122.361	37.717	2182.681	2088892.130	6023503.045	0	RS-700	0.21812257862
8244	-122.361	37.717	2145.208	2088892.391	6023502.732	0	RS-700	-0.01756062893
8245	-122.361	37.717	2234.807	2088892.953	6023501.962	0	RS-700	0.54595660377
8246	-122.361	37.717	2301.062	2088893.923	6023500.795	0	RS-700	0.96265566038
8247	-122.361	37.717	2266.267	2088895.153	6023499.373	0	RS-700	0.74381886793
8248	-122.361	37.717	2203.561	2088896.497	6023497.750	0	RS-700	0.34943830189
8249	-122.361	37.717	2206.125	2088897.700	6023495.865	0	RS-700	0.36556515723
8250	-122.361	37.717	2207.137	2088899.117	6023494.157	0	RS-700	0.37192930818
8251	-122.361	37.717	2183.571	2088900.685	6023492.250	0	RS-700	0.22371874214
8252	-122.361	37.717	2123.979	2088902.251	6023490.401	0	RS-700	-0.15107773585
8253	-122.361	37.717	2145.306	2088903.927	6023488.554	0	RS-700	-0.01694622642
8254	-122.361	37.717	2158.239	2088905.531	6023486.618	0	RS-700	0.06439710692
8255	-122.361	37.717	2140.774	2088907.061	6023484.797	0	RS-700	-0.04544459120
8256	-122.361	37.717	2066.953	2088908.331	6023483.202	0	RS-700	-0.50972943396
8257	-122.361	37.717	2255.591	2088909.526	6023481.693	0	RS-700	0.67667358491
8258	-122.361	37.717	2191.461	2088910.763	6023479.924	0	RS-700	0.27333968554
8259	-122.361	37.717	2108.333	2088912.038	6023478.069	0	RS-700	-0.24948100629
8260	-122.361	37.717	2217.907	2088913.419	6023476.418	0	RS-700	0.43966893082
8261	-122.361	37.717	2205.346	2088914.687	6023474.910	0	RS-700	0.36066949686
8262	-122.361	37.717	2272.160	2088915.839	6023473.747	0	RS-700	0.78087786164
8263	-122.361	37.717	2227.568	2088916.955	6023472.583	0	RS-700	0.50042566038
8264	-122.361	37.717	2260.475	2088918.181	6023471.334	0	RS-700	0.70738849057
8265	-122.361	37.717	2170.674	2088919.446	6023470.000	0	RS-700	0.14260534591
8266	-122.361	37.717	2199.116	2088920.674	6023468.693	0	RS-700	0.32148433962
8267	-122.361	37.717	2207.913	2088921.902	6023467.358	0	RS-700	0.37681226415
8268	-122.361	37.717	2139.084	2088923.132	6023465.965	0	RS-700	-0.05607257862
8269	-122.361	37.717	2184.677	2088924.364	6023464.456	0	RS-700	0.23067075472
8270	-122.361	37.717	2173.545	2088925.708	6023462.805	0	RS-700	0.16066163522
8271	-122.361	37.717	2226.691	2088927.124	6023461.184	0	RS-700	0.49491025157
8272	-122.361	37.717	2092.065	2088928.540	6023459.563	0	RS-700	-0.35179415094
8273	-122.361	37.717	2172.672	2088929.880	6023458.114	0	RS-700	0.15516748428
8274	-122.361	37.717	2208.017	2088930.927	6023456.746	0	RS-700	0.37746270440
8275	-122.361	37.717	2114.335	2088931.903	6023455.261	0	RS-700	-0.21172773585
8276	-122.361	37.717	2113.091	2088932.992	6023453.634	0	RS-700	-0.21955094340
8277	-122.361	37.717	2060.947	2088934.225	6023452.067	0	RS-700	-0.54750163522
8278	-122.361	37.717	2027.530	2088935.274	6023450.584	0	RS-700	-0.75767477987
8279	-122.361	37.717	2051.639	2088936.136	6023449.328	0	RS-700	-0.60604459120

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8280	-122.361	37.717	2112.305	2088936.886	6023448.244	0	RS-700	-0.22449522013
8281	-122.361	37.717	2222.578	2088937.599	6023447.216	0	RS-700	0.46904647799
8282	-122.361	37.717	2171.458	2088938.349	6023446.103	0	RS-700	0.14753314465
8283	-122.361	37.717	2107.761	2088939.208	6023445.021	0	RS-700	-0.25307389937
8284	-122.361	37.717	2037.835	2088940.215	6023443.855	0	RS-700	-0.69285962264
8285	-122.361	37.717	1993.017	2088941.296	6023442.603	0	RS-700	-0.97473779874
8286	-122.361	37.717	2060.071	2088942.415	6023441.295	0	RS-700	-0.55301000000
8287	-122.361	37.717	2142.662	2088943.533	6023440.015	0	RS-700	-0.03357308176
8288	-122.361	37.717	2127.448	2088944.466	6023438.876	0	RS-700	-0.12926094340
8289	-122.361	37.717	2225.804	2088945.323	6023437.910	0	RS-700	0.48933534591
8290	-122.361	37.717	2168.456	2088945.993	6023437.142	0	RS-700	0.12865578616
8291	-122.361	37.717	2140.664	2088946.960	6023436.178	0	RS-700	-0.04613534591
8292	-122.361	37.717	2196.449	2088948.151	6023434.870	0	RS-700	0.30471182390
8293	-122.361	37.717	2163.888	2088949.456	6023433.334	0	RS-700	0.09992729560
8294	-122.361	37.717	2098.967	2088950.800	6023431.683	0	RS-700	-0.30838176101
8295	-122.361	37.717	1544.471	2088952.251	6023430.150	0	RS-700	-3.79578194969
8296	-122.361	37.717	1144.128	2088953.519	6023428.641	0	RS-700	-6.31366207547
8297	-122.361	37.717	1487.533	2088954.784	6023427.278	0	RS-700	-4.15388207547
8298	-122.361	37.717	2070.042	2088956.052	6023425.799	0	RS-700	-0.49030371069
8299	-122.361	37.717	2075.736	2088957.135	6023424.432	0	RS-700	-0.45448786164
8300	-122.361	37.717	2041.838	2088958.182	6023423.064	0	RS-700	-0.66768597484
8301	-122.361	37.717	1440.375	2088959.375	6023421.699	0	RS-700	-4.45047471698
8302	-122.361	37.717	898.233	2088960.347	6023420.416	0	RS-700	-7.86017169811
8303	-122.361	37.717	830.229	2088961.505	6023418.993	0	RS-700	-8.28786767296
8304	-122.361	37.717	1409.371	2088962.517	6023417.538	0	RS-700	-4.64546314465
8305	-122.361	37.717	2068.957	2088963.568	6023415.967	0	RS-700	-0.49712628931
8306	-122.361	37.717	2168.667	2088964.473	6023414.394	0	RS-700	0.12998088050
8307	-122.361	37.717	2196.121	2088965.453	6023412.736	0	RS-700	0.30265044025
8308	-122.361	37.717	2167.883	2088966.286	6023411.132	0	RS-700	0.12505301887
8309	-122.361	37.717	2131.448	2088967.009	6023409.584	0	RS-700	-0.10410194969
8310	-122.361	37.717	2032.844	2088967.955	6023407.809	0	RS-700	-0.72425352201
8311	-122.361	37.717	2079.269	2088968.609	6023406.029	0	RS-700	-0.43226993711
8312	-122.361	37.717	2068.544	2088969.664	6023404.285	0	RS-700	-0.49972201258
8313	-122.361	37.717	2132.765	2088970.821	6023402.861	0	RS-700	-0.09581572327
8314	-122.361	37.717	2063.642	2088971.944	6023401.322	0	RS-700	-0.53055647799
8315	-122.361	37.717	2018.626	2088973.102	6023399.869	0	RS-700	-0.81367075472
8316	-122.361	37.717	2179.895	2088974.185	6023398.502	0	RS-700	0.20059647799
8317	-122.361	37.717	2029.532	2088975.305	6023397.136	0	RS-700	-0.74508421384
8318	-122.361	37.717	2087.855	2088976.279	6023395.795	0	RS-700	-0.37826981132
8319	-122.361	37.717	2190.449	2088977.435	6023394.430	0	RS-700	0.26697566038
8320	-122.361	37.717	2129.983	2088978.590	6023393.093	0	RS-700	-0.11331534591
8321	-122.361	37.717	2108.859	2088979.749	6023391.583	0	RS-700	-0.24616817610
8322	-122.361	37.717	2146.666	2088980.873	6023390.014	0	RS-700	-0.00838880503
8323	-122.361	37.717	2183.112	2088982.108	6023388.360	0	RS-700	0.22082855346
8324	-122.361	37.717	2155.665	2088983.453	6023386.651	0	RS-700	0.04820635220



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8325	-122.361	37.717	2154.887	2088984.725	6023384.941	0	RS-700	0.04331220126
8326	-122.361	37.717	2179.460	2088985.996	6023383.317	0	RS-700	0.19786050315
8327	-122.361	37.717	2073.743	2088987.227	6023381.837	0	RS-700	-0.46702339623
8328	-122.361	37.717	2203.572	2088988.387	6023380.269	0	RS-700	0.34950955975
8329	-122.361	37.717	2136.411	2088989.583	6023378.731	0	RS-700	-0.07288855346
8330	-122.361	37.717	2128.089	2088990.853	6023377.136	0	RS-700	-0.12522955975
8331	-122.361	37.717	2136.892	2088992.087	6023375.511	0	RS-700	-0.06986446541
8332	-122.361	37.717	2113.663	2088993.432	6023373.802	0	RS-700	-0.21595754717
8333	-122.361	37.717	2087.547	2088994.669	6023372.062	0	RS-700	-0.38020503145
8334	-122.361	37.717	2063.073	2088995.865	6023370.495	0	RS-700	-0.53413264151
8335	-122.361	37.717	2096.072	2088997.171	6023368.958	0	RS-700	-0.32658855346
8336	-122.361	37.717	2049.854	2088998.512	6023367.423	0	RS-700	-0.61727327044
8337	-122.361	37.717	2162.995	2088999.892	6023365.801	0	RS-700	0.09430622642
8338	-122.361	37.717	2088.331	2089000.977	6023364.376	0	RS-700	-0.37527918239
8339	-122.361	37.717	2079.743	2089001.952	6023362.920	0	RS-700	-0.42929106918
8340	-122.361	37.717	2051.740	2089003.185	6023361.383	0	RS-700	-0.60541006289
8341	-122.361	37.717	2132.552	2089004.381	6023359.844	0	RS-700	-0.09715993711
8342	-122.361	37.717	2155.993	2089005.579	6023358.219	0	RS-700	0.05027333333
8343	-122.361	37.717	2166.890	2089006.884	6023356.683	0	RS-700	0.11880201258
8344	-122.361	37.717	2131.761	2089008.372	6023355.121	0	RS-700	-0.10213245283
8345	-122.361	37.717	2080.075	2089009.678	6023353.527	0	RS-700	-0.42719974843
8346	-122.361	37.717	2178.783	2089010.912	6023351.931	0	RS-700	0.19360427673
8347	-122.361	37.717	2101.548	2089012.216	6023350.453	0	RS-700	-0.29214987421
8348	-122.361	37.717	2027.940	2089013.411	6023348.943	0	RS-700	-0.75509389937
8349	-122.361	37.717	2031.627	2089014.756	6023347.234	0	RS-700	-0.73190547170
8350	-122.361	37.717	1996.620	2089015.994	6023345.407	0	RS-700	-0.95207352201
8351	-122.361	37.717	2150.346	2089017.194	6023343.695	0	RS-700	0.01475383648
8352	-122.361	37.717	2073.750	2089018.468	6023341.898	0	RS-700	-0.46697918239
8353	-122.361	37.717	2080.437	2089019.890	6023339.959	0	RS-700	-0.42492509434
8354	-122.361	37.717	2087.543	2089021.421	6023338.080	0	RS-700	-0.38023006289
8355	-122.361	37.717	2101.655	2089022.953	6023336.115	0	RS-700	-0.29147578616
8356	-122.361	37.717	2090.176	2089024.484	6023334.207	0	RS-700	-0.36367383648
8357	-122.361	37.717	2025.542	2089025.792	6023332.555	0	RS-700	-0.77017396226
8358	-122.361	37.717	2049.044	2089027.062	6023330.931	0	RS-700	-0.62236327044
8359	-122.361	37.717	1989.413	2089028.259	6023329.335	0	RS-700	-0.99740157233
8360	-122.361	37.717	2048.846	2089029.494	6023327.681	0	RS-700	-0.62361238994
8361	-122.361	37.717	2020.316	2089030.729	6023326.028	0	RS-700	-0.80304591195
8362	-122.361	37.717	2085.647	2089031.818	6023324.372	0	RS-700	-0.39215515723
8363	-122.361	37.717	2099.448	2089032.979	6023322.775	0	RS-700	-0.30535540881
8364	-122.361	37.717	1947.511	2089034.287	6023321.065	0	RS-700	-1.26093597484
8365	-122.361	37.717	2142.449	2089035.562	6023319.210	0	RS-700	-0.03491207547
8366	-122.361	37.717	2075.548	2089036.909	6023317.414	0	RS-700	-0.45567339623
8367	-122.361	37.717	2007.523	2089038.220	6023315.588	0	RS-700	-0.88350157233
8368	-122.361	37.717	2031.045	2089039.563	6023313.995	0	RS-700	-0.73556830189
8369	-122.361	37.717	2046.736	2089040.832	6023312.429	0	RS-700	-0.63687817610

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8370	-122.361	37.717	1943.701	2089042.141	6023310.748	0	RS-700	-1.28489792453
8371	-122.361	37.717	2072.747	2089043.523	6023309.011	0	RS-700	-0.47328817610
8372	-122.361	37.717	2130.769	2089044.869	6023307.244	0	RS-700	-0.10837320755
8373	-122.361	37.717	2042.636	2089046.105	6023305.533	0	RS-700	-0.66266534591
8374	-122.361	37.717	2100.652	2089047.301	6023303.994	0	RS-700	-0.29778452830
8375	-122.361	37.717	2090.753	2089048.571	6023302.371	0	RS-700	-0.36004402516
8376	-122.361	37.717	2111.504	2089049.734	6023300.658	0	RS-700	-0.22953364780
8377	-122.361	37.717	2197.354	2089050.864	6023298.800	0	RS-700	0.31040276730
8378	-122.361	37.717	2069.166	2089052.026	6023297.116	0	RS-700	-0.49581389937
8379	-122.361	37.717	2148.450	2089053.297	6023295.493	0	RS-700	0.00283169811
8380	-122.361	37.717	2116.085	2089054.641	6023293.841	0	RS-700	-0.20072490566
8381	-122.361	37.717	2214.139	2089055.915	6023292.015	0	RS-700	0.41596886793
8382	-122.361	37.717	2119.766	2089057.156	6023290.073	0	RS-700	-0.17757383648
8383	-122.361	37.717	2043.937	2089058.319	6023288.331	0	RS-700	-0.65448591195
8384	-122.361	37.717	1977.319	2089059.517	6023286.706	0	RS-700	-1.07346377358
8385	-122.361	37.717	1707.631	2089060.598	6023285.454	0	RS-700	-2.76961729560
8386	-122.361	37.717	1645.489	2089061.680	6023284.174	0	RS-700	-3.16044647799
8387	-122.361	37.717	1873.503	2089062.620	6023282.688	0	RS-700	-1.72639647799
8388	-122.361	37.717	2074.122	2089063.673	6023281.031	0	RS-700	-0.46464383648
8389	-122.361	37.717	2092.330	2089064.579	6023279.400	0	RS-700	-0.35012471698
8390	-122.361	37.717	2003.039	2089065.664	6023277.946	0	RS-700	-0.91170704403
8391	-122.361	37.717	1257.134	2089066.857	6023276.553	0	RS-700	-5.60292867925
8392	-122.361	37.717	929.103	2089067.976	6023275.215	0	RS-700	-7.66601805031
8393	-122.361	37.717	979.107	2089069.171	6023273.735	0	RS-700	-7.35152981132
8394	-122.361	37.717	1545.092	2089070.144	6023272.423	0	RS-700	-3.79187735849
8395	-122.362	37.717	1978.614	2089071.300	6023271.057	0	RS-700	-1.06531817610
8396	-122.362	37.717	2072.555	2089072.347	6023269.690	0	RS-700	-0.47449943396
8397	-122.362	37.717	2053.944	2089073.542	6023268.209	0	RS-700	-0.59154528302
8398	-122.362	37.717	2043.550	2089074.665	6023266.698	0	RS-700	-0.65691974843
8399	-122.362	37.718	2097.068	2089075.898	6023265.103	0	RS-700	-0.32032484277
8400	-122.362	37.718	2085.427	2089077.022	6023263.563	0	RS-700	-0.39354251572
8401	-122.362	37.718	2162.573	2089078.182	6023261.995	0	RS-700	0.09165465409
8402	-122.362	37.718	2107.649	2089079.490	6023260.314	0	RS-700	-0.25378150943
8403	-122.362	37.718	2038.633	2089080.874	6023258.490	0	RS-700	-0.68784100629
8404	-122.362	37.718	2128.983	2089082.146	6023256.779	0	RS-700	-0.11960327044
8405	-122.362	37.718	2077.980	2089083.302	6023255.442	0	RS-700	-0.44037886793
8406	-122.362	37.718	2136.565	2089084.493	6023254.135	0	RS-700	-0.07191993711
8407	-122.362	37.718	2131.870	2089085.761	6023252.627	0	RS-700	-0.10144962264
8408	-122.362	37.718	2118.979	2089086.994	6023251.090	0	RS-700	-0.18251968554
8409	-122.362	37.718	2030.531	2089088.192	6023249.435	0	RS-700	-0.73879735849
8410	-122.362	37.718	2153.779	2089089.319	6023247.693	0	RS-700	0.03634503145
8411	-122.362	37.718	2220.684	2089090.445	6023246.009	0	RS-700	0.45713044025
8412	-122.362	37.718	2191.460	2089091.755	6023244.241	0	RS-700	0.27333459120
8413	-122.362	37.718	2492.780	2089093.028	6023242.502	0	RS-700	2.16842987421
8414	-122.362	37.718	2634.686	2089094.035	6023241.307	0	RS-700	3.06091773585

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8415	-122.362	37.718	2614.202	2089094.034	6023241.364	0	RS-700	2.93209106918
8416	-122.362	37.718	2514.545	2089094.182	6023241.223	0	RS-700	2.30531144654
8417	-122.362	37.718	2567.441	2089094.033	6023241.393	0	RS-700	2.63799163522
8418	-122.362	37.718	2655.692	2089094.405	6023240.996	0	RS-700	1.34807023460
8419	-122.362	37.718	2579.444	2089095.450	6023239.773	0	RS-700	1.12446818182
8420	-122.362	37.718	2120.873	2089096.421	6023238.548	0	RS-700	-0.22031519062
8421	-122.362	37.718	1764.898	2089097.320	6023237.264	0	RS-700	-1.26422865103
8422	-122.362	37.718	1594.414	2089098.292	6023236.039	0	RS-700	-1.76418052786
8423	-122.362	37.718	1997.621	2089099.266	6023234.641	0	RS-700	-0.58175712610
8424	-122.362	37.718	2505.779	2089100.605	6023233.279	0	RS-700	0.90844319648
8425	-122.362	37.718	2554.315	2089101.942	6023231.975	0	RS-700	1.05077618768
8426	-122.362	37.718	2274.933	2089103.462	6023230.616	0	RS-700	0.23147574780
8427	-122.362	37.718	2204.664	2089104.652	6023229.367	0	RS-700	0.02540841642
8428	-122.362	37.718	2010.843	2089106.020	6023228.353	0	RS-700	-0.54298304985
8429	-122.362	37.718	2211.791	2089107.313	6023227.424	0	RS-700	0.04630721408
8430	-122.362	37.718	2076.750	2089108.613	6023226.148	0	RS-700	-0.44811358491
8431	-122.362	37.718	2124.887	2089109.550	6023224.807	0	RS-700	-0.14536647799
8432	-122.362	37.718	2171.873	2089110.633	6023223.440	0	RS-700	0.15014767296
8433	-122.362	37.718	2219.577	2089111.869	6023221.729	0	RS-700	0.45016767296
8434	-122.362	37.718	2235.694	2089113.287	6023220.021	0	RS-700	0.55153641509
8435	-122.362	37.718	2045.430	2089114.781	6023218.141	0	RS-700	-0.64509559748
8436	-122.362	37.718	2159.104	2089116.276	6023216.233	0	RS-700	0.06983949686
8437	-122.362	37.718	2207.900	2089117.553	6023214.291	0	RS-700	0.37673220126
8438	-122.362	37.718	2161.892	2089118.573	6023212.431	0	RS-700	0.08737100629
8439	-122.362	37.718	2224.915	2089119.590	6023210.744	0	RS-700	0.48374081761
8440	-122.362	37.718	2167.565	2089120.572	6023208.970	0	RS-700	0.12304742138
8441	-122.362	37.718	2176.216	2089121.478	6023207.368	0	RS-700	0.17745886793
8442	-122.362	37.718	2127.448	2089122.492	6023205.826	0	RS-700	-0.12925672956
8443	-122.362	37.718	2105.549	2089123.650	6023204.373	0	RS-700	-0.26698773585
8444	-122.362	37.718	2120.979	2089124.847	6023202.777	0	RS-700	-0.16994081761
8445	-122.362	37.718	2117.657	2089126.118	6023201.124	0	RS-700	-0.19083440252
8446	-122.362	37.718	2134.414	2089127.354	6023199.442	0	RS-700	-0.08544924528
8447	-122.362	37.718	2293.822	2089128.734	6023197.792	0	RS-700	0.91712044025
8448	-122.362	37.718	2166.133	2089130.298	6023196.087	0	RS-700	0.11404459120
8449	-122.362	37.718	2093.289	2089131.752	6023194.380	0	RS-700	-0.34409685535
8450	-122.362	37.718	2189.692	2089133.244	6023192.616	0	RS-700	0.26221635220
8451	-122.362	37.718	2228.579	2089134.625	6023190.908	0	RS-700	0.50678735849
8452	-122.362	37.718	2253.920	2089136.005	6023189.286	0	RS-700	0.66616396226
8453	-122.362	37.718	2225.919	2089137.421	6023187.694	0	RS-700	0.49005918239
8454	-122.362	37.718	2189.681	2089138.802	6023186.015	0	RS-700	0.26214421384
8455	-122.362	37.718	2249.584	2089140.074	6023184.304	0	RS-700	0.63889314465
8456	-122.362	37.718	2306.260	2089141.456	6023182.538	0	RS-700	0.99534339623
8457	-122.362	37.718	2232.813	2089142.763	6023180.944	0	RS-700	0.53341515723
8458	-122.362	37.718	2250.924	2089143.998	6023179.262	0	RS-700	0.64732163522
8459	-122.362	37.718	2278.591	2089145.452	6023177.555	0	RS-700	0.82132880503

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8460	-122.362	37.718	2216.241	2089146.798	6023175.846	0	RS-700	0.42918641509
8461	-122.362	37.718	2239.249	2089148.179	6023174.138	0	RS-700	0.57389459120
8462	-122.362	37.718	2305.255	2089149.231	6023172.509	0	RS-700	0.98902459120
8463	-122.362	37.718	2302.601	2089150.320	6023170.882	0	RS-700	0.97233094340
8464	-122.362	37.718	2304.294	2089151.518	6023169.228	0	RS-700	0.98297849057
8465	-122.362	37.718	2225.023	2089152.719	6023167.429	0	RS-700	0.48442295598
8466	-122.362	37.718	2105.975	2089154.103	6023165.605	0	RS-700	-0.26430786164
8467	-122.362	37.718	2214.110	2089155.522	6023163.840	0	RS-700	0.41578477987
8468	-122.362	37.718	2259.704	2089156.941	6023162.103	0	RS-700	0.70253981132
8469	-122.362	37.718	2150.666	2089158.248	6023160.451	0	RS-700	0.01677031447
8470	-122.362	37.718	2242.145	2089159.702	6023158.773	0	RS-700	0.59210974843
8471	-122.362	37.718	2142.554	2089161.194	6023156.981	0	RS-700	-0.03424937107
8472	-122.362	37.718	2141.884	2089162.541	6023155.185	0	RS-700	-0.03846446541
8473	-122.362	37.718	2260.587	2089163.885	6023153.534	0	RS-700	0.70809685535
8474	-122.362	37.718	2235.035	2089165.153	6023152.025	0	RS-700	0.54738805031
8475	-122.362	37.718	2260.153	2089166.389	6023150.343	0	RS-700	0.70536201258
8476	-122.362	37.718	2185.330	2089167.589	6023148.573	0	RS-700	0.23477792453
8477	-122.362	37.718	2244.056	2089168.646	6023146.714	0	RS-700	0.60412867925
8478	-122.362	37.718	2112.079	2089170.137	6023145.008	0	RS-700	-0.22592106918
8479	-122.362	37.718	2073.968	2089171.592	6023143.243	0	RS-700	-0.46561132076
8480	-122.362	37.718	2121.445	2089172.977	6023141.361	0	RS-700	-0.16701018868
8481	-122.362	37.718	2136.300	2089174.291	6023139.391	0	RS-700	-0.07358257862
8482	-122.362	37.718	2116.976	2089174.948	6023137.495	0	RS-700	-0.19512220126
8483	-122.362	37.718	2179.101	2089175.051	6023135.964	0	RS-700	0.19560345912
8484	-122.362	37.718	2133.514	2089175.038	6023134.777	0	RS-700	-0.09110446541
8485	-122.362	37.718	2239.926	2089175.243	6023133.624	0	RS-700	0.57815396226
8486	-122.362	37.718	2351.724	2089175.744	6023132.274	0	RS-700	1.28128320755
8487	-122.362	37.718	2101.739	2089176.419	6023131.275	0	RS-700	-0.29094981132
8488	-122.362	37.718	2011.826	2089177.165	6023130.393	0	RS-700	-0.85644062893
8489	-122.362	37.718	2037.707	2089177.838	6023129.510	0	RS-700	-0.69366685535
8490	-122.362	37.718	2145.236	2089178.437	6023128.683	0	RS-700	-0.01738509434
8491	-122.362	37.718	2181.095	2089178.923	6023128.085	0	RS-700	0.20814566038
8492	-122.362	37.718	2087.437	2089178.998	6023127.942	0	RS-700	-0.38089949686
8493	-122.362	37.718	2123.970	2089179.073	6023127.856	0	RS-700	-0.15113339623
8494	-122.362	37.718	2295.174	2089179.448	6023127.285	0	RS-700	0.92562245283
8495	-122.362	37.718	2151.092	2089180.051	6023126.285	0	RS-700	0.01944603774
8496	-122.362	37.718	2260.789	2089180.978	6023125.464	0	RS-700	0.70936440252
8497	-122.362	37.718	2228.356	2089181.966	6023125.195	0	RS-700	0.50538383648
8498	-122.362	37.718	2085.858	2089182.771	6023125.037	0	RS-700	-0.39082886793
8499	-122.362	37.718	2194.687	2089183.543	6023124.647	0	RS-700	0.29362704403
8500	-122.362	37.718	2169.888	2089184.133	6023124.283	0	RS-700	0.13766100629
8501	-122.362	37.718	2245.271	2089184.947	6023123.663	0	RS-700	0.61176949686
8502	-122.362	37.718	2199.671	2089186.022	6023122.701	0	RS-700	0.32497716981
8503	-122.362	37.718	2209.783	2089187.322	6023121.425	0	RS-700	0.38856955975
8504	-122.362	37.718	2300.869	2089188.590	6023119.917	0	RS-700	0.96143729560

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8505	-122.362	37.718	2236.027	2089189.898	6023118.265	0	RS-700	0.55362735849
8506	-122.362	37.718	2196.462	2089191.211	6023116.352	0	RS-700	0.30479308176
8507	-122.362	37.718	2171.429	2089192.596	6023114.471	0	RS-700	0.14735113208
8508	-122.362	37.718	2251.467	2089194.055	6023112.503	0	RS-700	0.65073654088
8509	-122.362	37.718	2259.803	2089195.662	6023110.452	0	RS-700	0.70316522013
8510	-122.362	37.718	2210.235	2089197.232	6023108.401	0	RS-700	0.39141584906
8511	-122.362	37.718	2252.911	2089198.692	6023106.405	0	RS-700	0.65981672956
8512	-122.362	37.718	2320.202	2089200.191	6023104.294	0	RS-700	1.08302981132
8513	-122.362	37.718	2355.967	2089201.760	6023102.329	0	RS-700	1.30796691824
8514	-122.362	37.718	2313.414	2089203.292	6023100.392	0	RS-700	1.04033748428
8515	-122.362	37.718	2350.936	2089204.676	6023098.539	0	RS-700	1.27632389937
8516	-122.362	37.718	2254.467	2089205.988	6023096.656	0	RS-700	0.66960647799
8517	-122.362	37.718	2355.964	2089207.334	6023094.918	0	RS-700	1.30795264151
8518	-122.362	37.718	2314.950	2089208.532	6023093.293	0	RS-700	1.05000069182
8519	-122.362	37.718	2348.324	2089209.769	6023091.524	0	RS-700	1.25990232704
8520	-122.362	37.718	2425.105	2089211.044	6023089.640	0	RS-700	1.74279578616
8521	-122.362	37.718	2374.450	2089212.287	6023087.581	0	RS-700	1.42421157233
8522	-122.362	37.718	2327.190	2089213.493	6023085.551	0	RS-700	1.12698339623
8523	-122.362	37.718	2324.616	2089214.767	6023083.725	0	RS-700	1.11079238994
8524	-122.362	37.718	2367.741	2089216.006	6023081.869	0	RS-700	1.38201597484
8525	-122.362	37.718	2374.966	2089217.502	6023079.903	0	RS-700	1.42745628931
8526	-122.362	37.718	2258.138	2089218.812	6023078.135	0	RS-700	0.69268962264
8527	-122.362	37.718	2341.080	2089219.899	6023076.566	0	RS-700	1.21433647799
8528	-122.362	37.718	2330.081	2089221.059	6023075.027	0	RS-700	1.14516534591
8529	-122.362	37.718	2288.249	2089222.517	6023073.117	0	RS-700	0.88207081761
8530	-122.362	37.718	2209.802	2089224.123	6023071.124	0	RS-700	0.38869100629
8531	-122.362	37.718	2184.787	2089225.800	6023069.190	0	RS-700	0.23136723270
8532	-122.362	37.718	2200.904	2089227.514	6023067.257	0	RS-700	0.33273025157
8533	-122.362	37.718	2157.550	2089229.264	6023065.325	0	RS-700	0.06006163522
8534	-122.362	37.718	2096.446	2089231.014	6023063.392	0	RS-700	-0.32423955975
8535	-122.362	37.718	2174.758	2089232.803	6023061.374	0	RS-700	0.16828792453
8536	-122.362	37.718	2213.024	2089234.554	6023059.384	0	RS-700	0.40895578616
8537	-122.362	37.718	2100.863	2089236.378	6023057.424	0	RS-700	-0.29646157233
8538	-122.362	37.718	2121.399	2089238.166	6023055.376	0	RS-700	-0.16730044025
8539	-122.362	37.718	2108.758	2089239.992	6023053.301	0	RS-700	-0.24680194969
8540	-122.362	37.718	2134.451	2089241.636	6023051.222	0	RS-700	-0.08521459120
8541	-122.362	37.718	2107.758	2089243.282	6023049.027	0	RS-700	-0.25309194969
8542	-122.362	37.718	2182.670	2089244.892	6023046.802	0	RS-700	0.21804918239
8543	-122.362	37.718	2182.474	2089246.537	6023044.694	0	RS-700	0.21681666667
8544	-122.362	37.718	2196.121	2089248.292	6023042.530	0	RS-700	0.30264874214
8545	-122.362	37.718	2129.767	2089250.157	6023040.311	0	RS-700	-0.11467364780
8546	-122.362	37.718	2158.875	2089252.022	6023038.092	0	RS-700	0.06839911950
8547	-122.362	37.718	2251.916	2089253.888	6023035.814	0	RS-700	0.65356213837
8548	-122.362	37.718	2259.711	2089255.682	6023033.507	0	RS-700	0.70258572327
8549	-122.362	37.718	2102.749	2089257.550	6023031.172	0	RS-700	-0.28459496855

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8550	-122.362	37.718	2222.026	2089259.379	6023028.894	0	RS-700	0.46557452830
8551	-122.362	37.718	2126.184	2089261.099	6023026.671	0	RS-700	-0.13720918239
8552	-122.362	37.718	2205.685	2089262.856	6023024.392	0	RS-700	0.36280169811
8553	-122.362	37.718	2095.650	2089264.649	6023022.113	0	RS-700	-0.32924817610
8554	-122.362	37.718	2199.569	2089266.519	6023019.691	0	RS-700	0.32433100629
8555	-122.362	37.718	2161.792	2089268.425	6023017.241	0	RS-700	0.08673905660
8556	-122.362	37.718	2206.029	2089270.221	6023014.847	0	RS-700	0.36495981132
8557	-122.362	37.718	2217.241	2089271.905	6023012.566	0	RS-700	0.43547679245
8558	-122.362	37.718	2101.861	2089273.516	6023010.313	0	RS-700	-0.29018106918
8559	-122.362	37.718	2321.061	2089275.090	6023008.059	0	RS-700	1.08843459119
8560	-122.362	37.718	2282.711	2089276.739	6023005.719	0	RS-700	0.84723786164
8561	-122.362	37.718	2235.917	2089278.463	6023003.265	0	RS-700	0.55293792453
8562	-122.362	37.718	2225.797	2089280.224	6023000.784	0	RS-700	0.48929119497
8563	-122.362	37.718	2236.462	2089281.872	6022998.531	0	RS-700	0.55636603774
8564	-122.362	37.718	2271.710	2089283.519	6022996.278	0	RS-700	0.77804748428
8565	-122.362	37.718	2294.169	2089285.313	6022993.971	0	RS-700	0.91930150943
8566	-122.362	37.718	2337.728	2089287.069	6022991.749	0	RS-700	1.19325691824
8567	-122.362	37.718	2260.586	2089288.788	6022989.527	0	RS-700	0.70808836478
8568	-122.363	37.718	2215.590	2089290.508	6022987.275	0	RS-700	0.42509371069
8569	-122.363	37.718	2249.145	2089292.268	6022984.880	0	RS-700	0.63612930818
8570	-122.363	37.718	2269.613	2089294.064	6022982.457	0	RS-700	0.76486352201
8571	-122.363	37.718	2316.961	2089295.788	6022980.003	0	RS-700	1.06264666667
8572	-122.363	37.718	2212.799	2089297.549	6022977.550	0	RS-700	0.40753930818
8573	-122.363	37.718	2282.622	2089299.160	6022975.268	0	RS-700	0.84668050315
8574	-122.363	37.718	2226.580	2089300.735	6022972.985	0	RS-700	0.49421559748
8575	-122.363	37.718	2237.032	2089302.238	6022970.672	0	RS-700	0.55994993711
8576	-122.363	37.718	2228.693	2089303.695	6022968.820	0	RS-700	0.50750540881
8577	-122.363	37.718	2174.896	2089305.972	6022967.853	0	RS-700	0.16915584906
8578	-122.363	37.718	2207.243	2089308.858	6022969.241	0	RS-700	0.37259641509
8579	-122.363	37.718	2230.029	2089310.233	6022969.702	0	RS-700	0.51590811321
8580	-122.363	37.718	2273.038	2089310.797	6022970.668	0	RS-700	0.78640465409
8581	-122.363	37.718	2278.935	2089310.133	6022969.238	0	RS-700	0.82348943396
8582	-122.363	37.718	2327.196	2089309.738	6022967.147	0	RS-700	1.12701792453
8583	-122.363	37.718	2237.032	2089309.659	6022965.612	0	RS-700	0.55995031447
8584	-122.363	37.718	2313.067	2089309.551	6022965.523	0	RS-700	1.03815761006
8585	-122.363	37.718	2214.131	2089309.657	6022965.728	0	RS-700	0.41592031447
8586	-122.363	37.718	2233.470	2089309.858	6022966.600	0	RS-700	0.53754874214
8587	-122.363	37.718	2285.405	2089309.871	6022967.786	0	RS-700	0.86417968554
8588	-122.363	37.718	2214.574	2089309.147	6022969.392	0	RS-700	0.41870698113
8589	-122.363	37.718	2187.198	2089307.739	6022970.608	0	RS-700	0.24652830189
8590	-122.363	37.718	2334.966	2089306.162	6022971.126	0	RS-700	1.17588861635
8591	-122.363	37.718	2251.265	2089305.163	6022971.916	0	RS-700	0.64946371069
8592	-122.363	37.718	2290.594	2089305.690	6022971.087	0	RS-700	0.89681635220
8593	-122.363	37.718	2196.790	2089306.746	6022969.257	0	RS-700	0.30685308176
8594	-122.363	37.718	2241.374	2089307.762	6022967.599	0	RS-700	0.58725672956

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8595	-122.363	37.718	2279.929	2089308.514	6022966.428	0	RS-700	0.82974176101
8596	-122.363	37.718	2330.073	2089309.703	6022965.237	0	RS-700	1.14511018868
8597	-122.363	37.718	2230.919	2089309.477	6022965.579	0	RS-700	0.52150075472
8598	-122.363	37.718	2190.901	2089308.433	6022966.803	0	RS-700	0.26981603774
8599	-122.363	37.718	2269.804	2089307.905	6022967.718	0	RS-700	0.76606345912
8600	-122.363	37.718	2306.343	2089306.635	6022969.313	0	RS-700	0.99586861635
8601	-122.363	37.718	2319.075	2089305.550	6022970.766	0	RS-700	1.07594207547
8602	-122.363	37.718	2329.830	2089304.316	6022972.391	0	RS-700	1.14358477987
8603	-122.363	37.718	2270.801	2089302.895	6022974.272	0	RS-700	0.77233515723
8604	-122.363	37.718	2177.994	2089301.362	6022976.238	0	RS-700	0.18864446541
8605	-122.363	37.718	2191.679	2089299.613	6022978.141	0	RS-700	0.27470899371
8606	-122.363	37.718	2291.307	2089298.183	6022980.456	0	RS-700	0.90129918239
8607	-122.363	37.718	2183.565	2089296.669	6022983.319	0	RS-700	0.22367905660
8608	-122.363	37.718	2195.233	2089295.560	6022985.958	0	RS-700	0.29706182390
8609	-122.362	37.718	2287.617	2089294.525	6022988.599	0	RS-700	0.87809251572
8610	-122.362	37.718	2170.008	2089293.852	6022991.276	0	RS-700	0.13841509434
8611	-122.362	37.718	2220.798	2089293.798	6022993.995	0	RS-700	0.45785094340
8612	-122.362	37.718	2175.692	2089293.193	6022996.934	0	RS-700	0.17416333333
8613	-122.362	37.718	2186.787	2089292.224	6022999.894	0	RS-700	0.24394459120
8614	-122.362	37.718	2132.227	2089290.819	6023002.788	0	RS-700	-0.09919823899
8615	-122.362	37.718	2215.917	2089289.016	6023005.529	0	RS-700	0.42715088050
8616	-122.362	37.718	2219.134	2089287.215	6023008.213	0	RS-700	0.44738433962
8617	-122.362	37.718	2276.707	2089285.530	6023010.523	0	RS-700	0.80947943396
8618	-122.362	37.718	2137.336	2089284.141	6023012.578	0	RS-700	-0.06707144654
8619	-122.362	37.718	2266.590	2089282.346	6023014.944	0	RS-700	0.74584830189
8620	-122.362	37.718	2183.787	2089280.479	6023017.279	0	RS-700	0.22507402516
8621	-122.362	37.718	2212.909	2089278.540	6023019.555	0	RS-700	0.40823018868
8622	-122.362	37.718	2126.888	2089276.528	6023021.829	0	RS-700	-0.13278018868
8623	-122.362	37.718	2177.457	2089274.588	6023024.134	0	RS-700	0.18526125786
8624	-122.362	37.718	2148.884	2089272.717	6023026.642	0	RS-700	0.00556150943
8625	-122.362	37.718	2093.754	2089270.958	6023029.037	0	RS-700	-0.34116842767
8626	-122.362	37.718	2106.968	2089269.089	6023031.459	0	RS-700	-0.25806352201
8627	-122.362	37.718	2111.975	2089267.185	6023033.794	0	RS-700	-0.22657182390
8628	-122.362	37.718	2177.319	2089265.469	6023035.842	0	RS-700	0.18439352201
8629	-122.362	37.718	2172.350	2089263.828	6023037.777	0	RS-700	0.15314245283
8630	-122.362	37.718	2183.787	2089262.259	6023039.742	0	RS-700	0.22507823899
8631	-122.362	37.718	2263.820	2089260.281	6023042.133	0	RS-700	0.72842987421
8632	-122.362	37.718	2134.875	2089259.299	6023043.936	0	RS-700	-0.08254528302
8633	-122.362	37.718	2166.999	2089257.654	6023046.073	0	RS-700	0.11948893082
8634	-122.362	37.718	2158.888	2089255.786	6023048.437	0	RS-700	0.06847660377
8635	-122.362	37.718	2118.397	2089254.509	6023050.379	0	RS-700	-0.18618106918
8636	-122.362	37.718	2081.446	2089252.790	6023052.543	0	RS-700	-0.41858031447
8637	-122.362	37.718	2035.344	2089251.036	6023054.678	0	RS-700	-0.70852779874
8638	-122.362	37.718	2085.154	2089249.503	6023056.672	0	RS-700	-0.39525553459
8639	-122.362	37.718	2022.727	2089247.931	6023058.811	0	RS-700	-0.78788327044

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8640	-122.362	37.718	2039.831	2089246.251	6023060.889	0	RS-700	-0.68030943396
8641	-122.362	37.718	2140.668	2089244.607	6023062.998	0	RS-700	-0.04611616352
8642	-122.362	37.718	2161.890	2089242.698	6023065.563	0	RS-700	0.08735698113
8643	-122.362	37.718	2113.997	2089241.641	6023067.452	0	RS-700	-0.21385716981
8644	-122.362	37.718	2161.991	2089240.068	6023069.619	0	RS-700	0.08799389937
8645	-122.362	37.718	2122.446	2089238.461	6023071.699	0	RS-700	-0.16071886793
8646	-122.362	37.718	2178.240	2089236.816	6023073.807	0	RS-700	0.19018735849
8647	-122.362	37.718	2197.339	2089235.315	6023076.034	0	RS-700	0.31030522013
8648	-122.362	37.718	2297.481	2089233.777	6023078.289	0	RS-700	0.94013515723
8649	-122.362	37.718	2342.667	2089232.130	6023080.541	0	RS-700	1.22431918239
8650	-122.362	37.718	2284.399	2089230.412	6023082.706	0	RS-700	0.85785452830
8651	-122.362	37.718	2311.959	2089228.765	6023084.929	0	RS-700	1.03118830189
8652	-122.362	37.718	2276.708	2089227.044	6023087.210	0	RS-700	0.80948547170
8653	-122.362	37.718	2232.029	2089225.324	6023089.461	0	RS-700	0.52848301887
8654	-122.362	37.718	2225.793	2089223.642	6023091.655	0	RS-700	0.48926138365
8655	-122.362	37.718	2284.929	2089222.034	6023093.735	0	RS-700	0.86118968554
8656	-122.362	37.718	2370.103	2089220.389	6023095.872	0	RS-700	1.39687433962
8657	-122.362	37.718	2334.660	2089218.744	6023098.009	0	RS-700	1.17395974843
8658	-122.362	37.718	2307.052	2089217.026	6023100.145	0	RS-700	1.00032540881
8659	-122.362	37.718	2213.014	2089215.343	6023102.397	0	RS-700	0.40889194969
8660	-122.362	37.718	2341.548	2089213.623	6023104.619	0	RS-700	1.21728113208
8661	-122.362	37.718	2261.475	2089211.866	6023106.898	0	RS-700	0.71367616352
8662	-122.362	37.718	2278.710	2089210.037	6023109.147	0	RS-700	0.82207610063
8663	-122.362	37.718	2279.367	2089208.355	6023111.313	0	RS-700	0.82620855346
8664	-122.362	37.718	2221.264	2089206.637	6023113.477	0	RS-700	0.46078144654
8665	-122.362	37.718	2172.924	2089205.067	6023115.471	0	RS-700	0.15675591195
8666	-122.362	37.718	2228.027	2089203.459	6023117.580	0	RS-700	0.50331490566
8667	-122.362	37.718	2202.570	2089201.812	6023119.832	0	RS-700	0.34320446541
8668	-122.362	37.718	2121.553	2089200.167	6023121.998	0	RS-700	-0.16633257862
8669	-122.362	37.718	2236.266	2089198.559	6023124.107	0	RS-700	0.55513308176
8670	-122.362	37.718	2215.682	2089196.876	6023126.301	0	RS-700	0.42567572327
8671	-122.362	37.718	2275.285	2089195.195	6023128.409	0	RS-700	0.80053301887
8672	-122.362	37.718	2334.539	2089193.552	6023130.488	0	RS-700	1.17320251572
8673	-122.362	37.718	2150.103	2089191.759	6023132.738	0	RS-700	0.01322943396
8674	-122.362	37.718	2310.608	2089190.003	6023134.959	0	RS-700	1.02269169811
8675	-122.362	37.718	2156.875	2089188.283	6023137.182	0	RS-700	0.05581949686
8676	-122.362	37.718	2221.464	2089186.560	6023139.606	0	RS-700	0.46203955975
8677	-122.362	37.718	2230.468	2089184.729	6023141.913	0	RS-700	0.51866698113
8678	-122.362	37.718	2165.995	2089182.827	6023144.161	0	RS-700	0.11317886793
8679	-122.362	37.718	2188.562	2089182.003	6023147.124	0	RS-700	0.25510477987
8680	-122.362	37.718	2152.997	2089180.284	6023149.347	0	RS-700	0.03142477987
8681	-122.362	37.718	2161.888	2089178.458	6023151.422	0	RS-700	0.08734496855
8682	-122.362	37.718	2162.559	2089176.812	6023153.617	0	RS-700	0.09156522013
8683	-122.362	37.718	2110.976	2089175.094	6023155.782	0	RS-700	-0.23285371069
8684	-122.362	37.718	2138.105	2089173.227	6023158.088	0	RS-700	-0.06223471698



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8685	-122.362	37.718	2169.214	2089171.436	6023160.251	0	RS-700	0.13341855346
8686	-122.362	37.718	2179.786	2089169.570	6023162.499	0	RS-700	0.19991301887
8687	-122.362	37.718	2157.341	2089167.741	6023164.748	0	RS-700	0.05874553459
8688	-122.362	37.718	2261.943	2089165.803	6023166.966	0	RS-700	0.71662301887
8689	-122.362	37.718	2287.479	2089163.794	6023169.096	0	RS-700	0.87722496855
8690	-122.362	37.718	2156.210	2089161.640	6023171.194	0	RS-700	0.05163691824
8691	-122.362	37.718	2232.816	2089159.448	6023173.349	0	RS-700	0.53343484277
8692	-122.362	37.718	2303.836	2089157.330	6023175.477	0	RS-700	0.98010358491
8693	-122.362	37.718	2301.180	2089155.137	6023177.690	0	RS-700	0.96339522013
8694	-122.362	37.718	2331.248	2089153.087	6023180.050	0	RS-700	1.15250490566
8695	-122.362	37.718	2255.587	2089151.432	6023182.708	0	RS-700	0.67664792453
8696	-122.362	37.718	2221.920	2089149.887	6023185.310	0	RS-700	0.46490465409
8697	-122.362	37.718	2289.512	2089148.597	6023187.888	0	RS-700	0.89001295598
8698	-122.362	37.718	2272.396	2089147.634	6023190.530	0	RS-700	0.78236610063
8699	-122.362	37.718	2298.171	2089147.178	6023193.327	0	RS-700	0.94447446541
8700	-122.362	37.718	2222.799	2089146.614	6023196.064	0	RS-700	0.47043509434
8701	-122.362	37.718	2250.587	2089145.687	6023198.708	0	RS-700	0.64520213837
8702	-122.362	37.718	2231.930	2089144.615	6023201.319	0	RS-700	0.52785943396
8703	-122.362	37.718	2194.677	2089143.362	6023203.898	0	RS-700	0.29356578616
8704	-122.362	37.718	2152.912	2089141.784	6023206.325	0	RS-700	0.03089031447
8705	-122.362	37.718	2053.825	2089139.956	6023208.545	0	RS-700	-0.59229748428
8706	-122.362	37.718	2097.872	2089137.769	6023210.469	0	RS-700	-0.31526874214
8707	-122.362	37.718	2027.119	2089135.759	6023212.657	0	RS-700	-0.76025540881
8708	-122.362	37.718	2128.764	2089133.022	6023214.743	0	RS-700	-0.12098094340
8709	-122.362	37.718	2142.450	2089131.464	6023216.159	0	RS-700	-0.03490327044
8710	-122.362	37.718	2186.571	2089129.528	6023218.319	0	RS-700	0.24258327044
8711	-122.362	37.718	2131.201	2089127.809	6023220.512	0	RS-700	-0.10565320755
8712	-122.362	37.718	2237.258	2089126.201	6023222.621	0	RS-700	0.56137075472
8713	-122.362	37.718	2198.350	2089124.483	6023224.757	0	RS-700	0.31666735849
8714	-122.362	37.718	2179.673	2089122.619	6023226.918	0	RS-700	0.19920232704
8715	-122.362	37.718	2161.455	2089120.232	6023229.735	0	RS-700	0.08462402516
8716	-122.362	37.718	2177.014	2089118.761	6023232.280	0	RS-700	0.18247817610
8717	-122.362	37.718	2267.936	2089117.882	6023234.375	0	RS-700	0.75431389937
8718	-122.362	37.718	2249.273	2089115.387	6023237.131	0	RS-700	0.15622671554
8719	-122.362	37.718	2537.923	2089113.882	6023239.532	0	RS-700	1.00270736070
8720	-122.362	37.718	2562.462	2089112.648	6023241.185	0	RS-700	1.07466938416
8721	-122.362	37.718	2172.110	2089113.331	6023241.604	0	RS-700	-0.07005791789
8722	-122.362	37.718	1974.797	2089112.541	6023242.861	0	RS-700	-0.64868782991
8723	-122.362	37.718	2129.663	2089112.767	6023242.518	0	RS-700	-0.19453812317
8724	-122.362	37.718	2395.105	2089113.068	6023242.032	0	RS-700	0.58388436950
8725	-122.362	37.718	2601.671	2089113.671	6023241.003	0	RS-700	1.18965017595
8726	-122.362	37.718	2443.370	2089114.796	6023239.376	0	RS-700	0.72542636364
8727	-122.362	37.718	2351.076	2089116.099	6023237.956	0	RS-700	0.45476771261
8728	-122.362	37.718	2250.919	2089116.770	6023237.159	0	RS-700	0.16105334311
8729	-122.362	37.718	2183.465	2089117.029	6023236.991	0	RS-700	-0.03676061584

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8730	-122.362	37.718	2224.579	2089117.103	6023236.905	0	RS-700	0.08380947214
8731	-122.362	37.718	2246.488	2089117.255	6023236.590	0	RS-700	0.14805747801
8732	-122.362	37.718	2178.660	2089117.856	6023235.676	0	RS-700	-0.05085158358
8733	-122.362	37.718	2195.015	2089117.967	6023235.563	0	RS-700	-0.00288988270
8734	-122.362	37.718	2265.821	2089117.033	6023236.788	0	RS-700	0.20475304985
8735	-122.362	37.718	2429.236	2089116.314	6023238.134	0	RS-700	0.68397574780
8736	-122.362	37.718	2640.485	2089114.978	6023239.380	0	RS-700	1.30347475073
8737	-122.362	37.718	2274.593	2089113.672	6023240.974	0	RS-700	0.23047885631
8738	-122.362	37.718	1729.794	2089112.110	6023242.592	0	RS-700	-1.36717275660
8739	-122.362	37.718	1594.336	2089110.806	6023244.041	0	RS-700	-1.76441196481
8740	-122.362	37.718	2035.240	2089109.827	6023245.671	0	RS-700	-0.47143601173
8741	-122.362	37.718	2457.132	2089108.488	6023247.062	0	RS-700	0.76578281525
8742	-122.362	37.718	2456.814	2089107.173	6023249.119	0	RS-700	0.76485181818
8743	-122.362	37.718	2095.457	2089105.196	6023251.452	0	RS-700	-0.33046201258
8744	-122.362	37.718	2174.004	2089103.071	6023253.926	0	RS-700	0.16354704403
8745	-122.362	37.718	2140.558	2089100.665	6023255.846	0	RS-700	-0.04680446541
8746	-122.362	37.718	2186.007	2089098.875	6023257.980	0	RS-700	0.23903691824
8747	-122.362	37.718	2078.537	2089097.161	6023259.942	0	RS-700	-0.43687597484
8748	-122.362	37.718	2005.421	2089095.339	6023261.786	0	RS-700	-0.89672169811
8749	-122.362	37.718	1985.616	2089093.912	6023263.985	0	RS-700	-1.02128383648
8750	-122.362	37.718	2095.334	2089092.447	6023266.213	0	RS-700	-0.33123377359
8751	-122.362	37.718	2103.077	2089090.947	6023268.411	0	RS-700	-0.28253270440
8752	-122.362	37.718	2094.829	2089089.410	6023270.608	0	RS-700	-0.33441188679
8753	-122.361	37.718	2041.037	2089087.764	6023272.774	0	RS-700	-0.67272113208
8754	-122.361	37.718	2057.059	2089086.409	6023274.974	0	RS-700	-0.57195867925
8755	-122.361	37.718	2107.753	2089085.026	6023276.798	0	RS-700	-0.25312584906
8756	-122.361	37.718	2117.977	2089084.039	6023278.804	0	RS-700	-0.18882591195
8757	-122.361	37.718	2108.654	2089082.062	6023281.166	0	RS-700	-0.24745723270
8758	-122.361	37.718	2133.302	2089081.559	6023282.602	0	RS-700	-0.09243918239
8759	-122.361	37.718	2148.672	2089080.031	6023284.394	0	RS-700	0.00422559748
8760	-122.361	37.718	2075.838	2089077.183	6023286.565	0	RS-700	-0.45384647799
8761	-122.361	37.718	2144.091	2089075.408	6023287.919	0	RS-700	-0.02458396226
8762	-122.361	37.718	2148.428	2089074.656	6023289.119	0	RS-700	0.00269018868
8763	-122.361	37.717	2098.772	2089072.764	6023290.846	0	RS-700	-0.30960943396
8764	-122.361	37.717	2153.665	2089071.014	6023292.778	0	RS-700	0.03562817610
8765	-122.361	37.717	2181.677	2089069.378	6023294.482	0	RS-700	0.21180427673
8766	-122.361	37.717	2202.575	2089068.250	6023296.253	0	RS-700	0.34324194969
8767	-122.361	37.717	2071.643	2089066.869	6023297.932	0	RS-700	-0.48023358491
8768	-122.361	37.717	2147.673	2089065.484	6023299.814	0	RS-700	-0.00205572327
8769	-122.361	37.717	2057.741	2089064.137	6023301.610	0	RS-700	-0.56766710692
8770	-122.361	37.717	2070.063	2089062.719	6023303.346	0	RS-700	-0.49016735849
8771	-122.361	37.717	2080.159	2089061.114	6023305.282	0	RS-700	-0.42667415094
8772	-122.361	37.717	2004.121	2089059.470	6023307.390	0	RS-700	-0.90489924528
8773	-122.361	37.717	2113.654	2089057.754	6023309.439	0	RS-700	-0.21601226415
8774	-122.361	37.717	1964.311	2089056.038	6023311.488	0	RS-700	-1.15527748428

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8775	-122.361	37.717	1987.915	2089054.466	6023313.597	0	RS-700	-1.00682584906
8776	-122.361	37.717	2008.522	2089052.894	6023315.736	0	RS-700	-0.87721823899
8777	-122.361	37.717	2113.070	2089051.358	6023317.875	0	RS-700	-0.21968597484
8778	-122.361	37.717	2014.617	2089049.531	6023320.008	0	RS-700	-0.83888698113
8779	-122.361	37.717	2003.022	2089047.817	6023321.999	0	RS-700	-0.91181012579
8780	-122.361	37.717	2059.155	2089045.994	6023323.930	0	RS-700	-0.55877528302
8781	-122.361	37.717	1989.218	2089044.246	6023325.747	0	RS-700	-0.99862924528
8782	-122.361	37.717	2039.737	2089042.423	6023327.649	0	RS-700	-0.68090050315
8783	-122.361	37.717	1964.811	2089040.670	6023329.726	0	RS-700	-1.15213415094
8784	-122.361	37.717	2065.548	2089038.990	6023331.805	0	RS-700	-0.51856301887
8785	-122.361	37.717	2092.439	2089037.419	6023333.914	0	RS-700	-0.34943955975
8786	-122.361	37.717	1984.429	2089035.779	6023335.791	0	RS-700	-1.02874748428
8787	-122.361	37.717	2103.654	2089034.143	6023337.465	0	RS-700	-0.27890735849
8788	-122.361	37.717	1968.385	2089032.427	6023339.514	0	RS-700	-1.12965327044
8789	-122.361	37.717	1966.417	2089030.853	6023341.740	0	RS-700	-1.14203226415
8790	-122.361	37.717	2047.721	2089029.316	6023343.937	0	RS-700	-0.63068823899
8791	-122.361	37.717	2072.751	2089027.821	6023345.903	0	RS-700	-0.47326698113
8792	-122.361	37.717	2044.045	2089026.216	6023347.838	0	RS-700	-0.65380641509
8793	-122.361	37.717	1999.419	2089024.535	6023349.975	0	RS-700	-0.93446874214
8794	-122.361	37.717	1944.313	2089022.961	6023352.171	0	RS-700	-1.28104937107
8795	-122.361	37.717	1937.502	2089021.355	6023354.193	0	RS-700	-1.32388660377
8796	-122.361	37.717	1983.620	2089019.823	6023356.159	0	RS-700	-1.03383540881
8797	-122.361	37.717	2049.430	2089018.288	6023358.240	0	RS-700	-0.61993767296
8798	-122.361	37.717	2063.743	2089016.607	6023360.377	0	RS-700	-0.52991735849
8799	-122.361	37.717	2153.503	2089014.887	6023362.628	0	RS-700	0.03461207547
8800	-122.361	37.717	1992.322	2089013.208	6023364.649	0	RS-700	-0.97910672956
8801	-122.361	37.717	2024.032	2089011.893	6023366.676	0	RS-700	-0.77967088050
8802	-122.361	37.717	1993.621	2089010.288	6023368.641	0	RS-700	-0.97093628931
8803	-122.361	37.717	1918.172	2089008.756	6023370.606	0	RS-700	-1.44545635220
8804	-122.361	37.717	1961.093	2089007.331	6023372.661	0	RS-700	-1.17551371069
8805	-122.361	37.717	2021.716	2089005.764	6023374.539	0	RS-700	-0.79424025157
8806	-122.361	37.717	2035.736	2089004.195	6023376.504	0	RS-700	-0.70606088050
8807	-122.361	37.717	2064.746	2089002.659	6023378.644	0	RS-700	-0.52360817610
8808	-122.361	37.717	2113.868	2089001.194	6023380.900	0	RS-700	-0.21466503145
8809	-122.361	37.717	2164.887	2088999.515	6023382.921	0	RS-700	0.10620490566
8810	-122.361	37.717	2092.279	2088997.872	6023384.942	0	RS-700	-0.35044534591
8811	-122.361	37.717	2133.980	2088996.410	6023387.054	0	RS-700	-0.08817823899
8812	-122.361	37.717	2095.872	2088994.802	6023389.163	0	RS-700	-0.32784748428
8813	-122.361	37.717	2140.199	2088993.267	6023391.273	0	RS-700	-0.04906000000
8814	-122.361	37.717	2173.106	2088991.804	6023393.442	0	RS-700	0.15789880503
8815	-122.361	37.717	2081.536	2088990.266	6023395.697	0	RS-700	-0.41801490566
8816	-122.361	37.717	2140.666	2088988.689	6023398.038	0	RS-700	-0.04612283019
8817	-122.361	37.717	2150.450	2088987.260	6023400.324	0	RS-700	0.01541056604
8818	-122.361	37.717	2091.750	2088985.686	6023402.578	0	RS-700	-0.35377314465
8819	-122.361	37.717	2118.665	2088984.076	6023404.774	0	RS-700	-0.18449823899

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8820	-122.361	37.717	2025.039	2088982.321	6023406.967	0	RS-700	-0.77334138365
8821	-122.361	37.717	2029.730	2088980.638	6023409.161	0	RS-700	-0.74383911950
8822	-122.361	37.717	2023.136	2088979.066	6023411.299	0	RS-700	-0.78530610063
8823	-122.361	37.717	2100.429	2088977.565	6023413.526	0	RS-700	-0.29919176101
8824	-122.361	37.717	2123.297	2088976.173	6023415.755	0	RS-700	-0.15536251572
8825	-122.361	37.717	2107.544	2088974.855	6023417.928	0	RS-700	-0.25443943396
8826	-122.361	37.717	2035.142	2088973.431	6023419.953	0	RS-700	-0.70980050315
8827	-122.361	37.717	2038.825	2088971.792	6023421.772	0	RS-700	-0.68663477987
8828	-122.361	37.717	1985.007	2088970.774	6023423.517	0	RS-700	-1.02511188679
8829	-122.361	37.717	2101.079	2088969.760	6023425.059	0	RS-700	-0.29509880503
8830	-122.361	37.717	2198.577	2088968.406	6023427.231	0	RS-700	0.31809509434
8831	-122.361	37.717	2129.768	2088966.475	6023429.131	0	RS-700	-0.11466817610
8832	-122.361	37.717	2193.679	2088964.941	6023431.183	0	RS-700	0.28729031447
8833	-122.361	37.717	2190.678	2088963.262	6023433.204	0	RS-700	0.26841308176
8834	-122.361	37.717	2187.675	2088961.335	6023434.872	0	RS-700	0.24952893082
8835	-122.361	37.717	2198.571	2088959.264	6023436.422	0	RS-700	0.31805452830
8836	-122.361	37.717	2115.871	2088957.230	6023438.002	0	RS-700	-0.20206830189
8837	-122.361	37.717	2093.659	2088955.232	6023439.582	0	RS-700	-0.34176704403
8838	-122.361	37.717	2171.447	2088953.307	6023441.135	0	RS-700	0.14746786164
8839	-122.361	37.717	2133.335	2088951.500	6023442.256	0	RS-700	-0.09223522013
8840	-122.361	37.717	2044.534	2088949.979	6023443.673	0	RS-700	-0.65072685535
8841	-122.361	37.717	2010.825	2088948.996	6023445.476	0	RS-700	-0.86273327044
8842	-122.361	37.717	2060.749	2088947.681	6023447.504	0	RS-700	-0.54874761006
8843	-122.361	37.717	2030.542	2088946.434	6023449.764	0	RS-700	-0.73872867925
8844	-122.361	37.717	1964.909	2088945.260	6023452.055	0	RS-700	-1.15151509434
8845	-122.361	37.717	2070.363	2088944.376	6023454.381	0	RS-700	-0.48828100629
8846	-122.361	37.717	2088.228	2088943.278	6023456.500	0	RS-700	-0.37592188679
8847	-122.361	37.717	2134.195	2088941.927	6023458.498	0	RS-700	-0.08682641509
8848	-122.361	37.717	2081.153	2088940.326	6023460.260	0	RS-700	-0.42042006289
8849	-122.361	37.717	2044.324	2088938.865	6023462.314	0	RS-700	-0.65204861635
8850	-122.361	37.717	2066.474	2088937.585	6023464.372	0	RS-700	-0.51274113208
8851	-122.361	37.717	2041.943	2088936.339	6023466.604	0	RS-700	-0.66702666667
8852	-122.361	37.717	2216.798	2088934.878	6023468.658	0	RS-700	0.43269484277
8853	-122.361	37.717	2214.682	2088933.594	6023470.946	0	RS-700	0.41938176101
8854	-122.361	37.717	2143.995	2088931.918	6023472.822	0	RS-700	-0.02518830189
8855	-122.361	37.717	2105.649	2088930.129	6023474.870	0	RS-700	-0.26635830189
8856	-122.361	37.717	2108.763	2088928.338	6023477.033	0	RS-700	-0.24677603774
8857	-122.361	37.717	2112.079	2088926.620	6023479.198	0	RS-700	-0.22591949686
8858	-122.361	37.717	2121.866	2088924.866	6023481.332	0	RS-700	-0.16436591195
8859	-122.361	37.717	1967.720	2088923.364	6023483.588	0	RS-700	-1.13383672956
8860	-122.361	37.717	2065.835	2088921.868	6023485.555	0	RS-700	-0.51676000000
8861	-122.361	37.717	2094.070	2088920.340	6023487.318	0	RS-700	-0.33918226415
8862	-122.361	37.717	2239.584	2088918.663	6023489.223	0	RS-700	0.57599937107
8863	-122.361	37.717	2178.795	2088917.164	6023491.334	0	RS-700	0.19367930818
8864	-122.361	37.717	2086.065	2088915.743	6023493.215	0	RS-700	-0.38952911950

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8865	-122.361	37.717	2106.958	2088914.355	6023495.270	0	RS-700	-0.25812792453
8866	-122.361	37.717	2174.116	2088912.712	6023497.321	0	RS-700	0.16425327044
8867	-122.361	37.717	2232.805	2088911.138	6023499.517	0	RS-700	0.53336383648
8868	-122.361	37.717	2230.918	2088909.494	6023501.625	0	RS-700	0.52149647799
8869	-122.361	37.717	2258.452	2088907.630	6023503.787	0	RS-700	0.69466610063
8870	-122.361	37.717	2253.044	2088905.839	6023505.950	0	RS-700	0.66065100629
8871	-122.361	37.717	2200.685	2088904.158	6023508.057	0	RS-700	0.33134987421
8872	-122.361	37.717	2117.393	2088902.475	6023510.280	0	RS-700	-0.19249471698
8873	-122.361	37.717	2044.347	2088900.790	6023512.619	0	RS-700	-0.65190660377
8874	-122.361	37.717	2134.772	2088899.325	6023514.847	0	RS-700	-0.08319805031
8875	-122.361	37.717	2148.089	2088897.859	6023517.132	0	RS-700	0.00056050314
8876	-122.361	37.717	2015.030	2088895.922	6023519.321	0	RS-700	-0.83629037736
8877	-122.361	37.717	2101.550	2088894.018	6023521.684	0	RS-700	-0.29214000000
8878	-122.361	37.717	1990.017	2088892.299	6023523.878	0	RS-700	-0.99360509434
8879	-122.361	37.717	1838.845	2088890.909	6023526.020	0	RS-700	-1.94436798742
8880	-122.361	37.717	2127.336	2088889.272	6023527.752	0	RS-700	-0.12996232704
8881	-122.361	37.717	1941.791	2088888.147	6023529.350	0	RS-700	-1.29691194969
8882	-122.361	37.717	1918.722	2088886.583	6023531.084	0	RS-700	-1.44200037736
8883	-122.361	37.717	1957.092	2088884.580	6023532.924	0	RS-700	-1.20067647799
8884	-122.361	37.717	1972.623	2088882.580	6023534.620	0	RS-700	-1.10299767296
8885	-122.361	37.717	1931.689	2088880.693	6023536.087	0	RS-700	-1.36044446541
8886	-122.361	37.717	2035.840	2088878.984	6023537.789	0	RS-700	-0.70540836478
8887	-122.361	37.717	1975.713	2088877.131	6023539.430	0	RS-700	-1.08356836478
8888	-122.361	37.717	2083.444	2088875.176	6023540.664	0	RS-700	-0.40601547170
8889	-122.361	37.717	2011.731	2088873.259	6023541.812	0	RS-700	-0.85703528302
8890	-122.361	37.717	1976.615	2088871.555	6023543.283	0	RS-700	-1.07789113208
8891	-122.361	37.717	2018.629	2088870.211	6023544.905	0	RS-700	-0.81365572327
8892	-122.361	37.717	2026.933	2088868.941	6023546.500	0	RS-700	-0.76142509434
8893	-122.361	37.717	2069.869	2088867.596	6023548.209	0	RS-700	-0.49139238994
8894	-122.361	37.717	2093.754	2088866.214	6023549.975	0	RS-700	-0.34116924528
8895	-122.361	37.717	2102.205	2088864.717	6023551.971	0	RS-700	-0.28802144654
8896	-122.361	37.717	2060.861	2088863.183	6023554.052	0	RS-700	-0.54804138365
8897	-122.361	37.717	1907.880	2088861.646	6023556.220	0	RS-700	-1.51018842767
8898	-122.360	37.717	1187.082	2088860.149	6023558.245	0	RS-700	-6.04351157233
8899	-122.360	37.717	1189.303	2088858.503	6023560.439	0	RS-700	-6.02954264151
8900	-122.360	37.717	1879.413	2088856.784	6023562.662	0	RS-700	-1.68922452830
8901	-122.360	37.717	2092.439	2088855.244	6023565.003	0	RS-700	-0.34943729560
8902	-122.360	37.717	2122.662	2088853.887	6023567.320	0	RS-700	-0.15935867925
8903	-122.360	37.717	2082.855	2088852.569	6023569.521	0	RS-700	-0.40971446541
8904	-122.360	37.717	2095.863	2088850.961	6023571.601	0	RS-700	-0.32790276730
8905	-122.360	37.717	2132.412	2088849.318	6023573.652	0	RS-700	-0.09803886792
8906	-122.360	37.717	2132.089	2088847.711	6023575.703	0	RS-700	-0.10006823899
8907	-122.360	37.717	2137.095	2088846.180	6023577.639	0	RS-700	-0.06858226415
8908	-122.360	37.717	2066.536	2088844.431	6023579.485	0	RS-700	-0.51234924528
8909	-122.360	37.717	2020.627	2088842.643	6023581.504	0	RS-700	-0.80108566038

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8910	-122.360	37.717	2028.031	2088840.780	6023583.636	0	RS-700	-0.75452515723
8911	-122.360	37.717	2082.093	2088839.061	6023585.830	0	RS-700	-0.41451100629
8912	-122.360	37.717	2002.321	2088837.344	6023587.937	0	RS-700	-0.91622176101
8913	-122.360	37.717	1975.515	2088835.627	6023590.014	0	RS-700	-1.08480880503
8914	-122.360	37.717	2018.942	2088833.983	6023592.094	0	RS-700	-0.81168358491
8915	-122.360	37.717	2050.058	2088832.229	6023594.229	0	RS-700	-0.61599018868
8916	-122.360	37.717	2038.837	2088830.474	6023596.421	0	RS-700	-0.68655723270
8917	-122.360	37.717	1965.413	2088828.753	6023598.702	0	RS-700	-1.14834515723
8918	-122.360	37.717	2005.220	2088827.106	6023600.925	0	RS-700	-0.89798584906
8919	-122.360	37.717	1982.517	2088825.460	6023603.149	0	RS-700	-1.04077402516
8920	-122.360	37.717	2093.436	2088823.782	6023605.112	0	RS-700	-0.34317207547
8921	-122.360	37.717	2021.129	2088822.071	6023606.901	0	RS-700	-0.79792811321
8922	-122.360	37.717	2002.727	2088820.695	6023608.320	0	RS-700	-0.91366830189
8923	-122.360	37.717	1942.987	2088820.025	6023609.088	0	RS-700	-1.28939144654
8924	-122.360	37.717	2087.072	2088819.800	6023609.372	0	RS-700	-0.38319207547
8925	-122.360	37.717	2005.617	2088819.875	6023609.287	0	RS-700	-0.89548748428
8926	-122.360	37.717	2035.375	2088819.950	6023609.202	0	RS-700	-0.70833534591
8927	-122.360	37.717	2045.538	2088820.769	6023608.292	0	RS-700	-0.64441314465
8928	-122.360	37.717	1979.120	2088821.405	6023607.437	0	RS-700	-1.06213559748
8929	-122.360	37.717	2008.020	2088822.155	6023606.353	0	RS-700	-0.88037427673
8930	-122.360	37.717	2057.760	2088822.641	6023605.697	0	RS-700	-0.56754949686
8931	-122.360	37.717	1963.512	2088822.792	6023605.468	0	RS-700	-1.16030176101
8932	-122.360	37.717	1997.919	2088822.422	6023605.722	0	RS-700	-0.94390792453
8933	-122.360	37.717	2108.653	2088822.160	6023606.092	0	RS-700	-0.24746842767
8934	-122.360	37.717	2069.231	2088821.591	6023607.238	0	RS-700	-0.49540295598
8935	-122.360	37.717	2033.837	2088819.915	6023609.085	0	RS-700	-0.71800761006
8936	-122.360	37.717	2031.944	2088817.835	6023611.156	0	RS-700	-0.72990886793
8937	-122.360	37.717	2035.038	2088815.644	6023613.253	0	RS-700	-0.71045534591
8938	-122.360	37.717	2030.635	2088813.606	6023615.007	0	RS-700	-0.73814452830
8939	-122.360	37.717	2062.054	2088810.867	6023617.238	0	RS-700	-0.54054295598
8940	-122.360	37.717	2035.451	2088808.977	6023618.907	0	RS-700	-0.70785742138
8941	-122.360	37.717	1963.002	2088807.233	6023620.492	0	RS-700	-1.16350723270
8942	-122.360	37.717	2113.983	2088806.302	6023621.544	0	RS-700	-0.21394213837
8943	-122.360	37.717	1965.512	2088804.808	6023623.395	0	RS-700	-1.14772566038
8944	-122.360	37.717	2031.434	2088803.237	6023625.505	0	RS-700	-0.73311654088
8945	-122.360	37.717	1980.709	2088801.445	6023627.726	0	RS-700	-1.05214251572
8946	-122.360	37.717	1965.712	2088799.645	6023630.294	0	RS-700	-1.14646735849
8947	-122.360	37.717	1978.103	2088797.779	6023632.571	0	RS-700	-1.06853295597
8948	-122.360	37.717	1885.402	2088795.876	6023634.876	0	RS-700	-1.65155874214
8949	-122.360	37.717	2085.482	2088794.009	6023637.212	0	RS-700	-0.39319534591
8950	-122.360	37.717	1996.924	2088792.216	6023639.462	0	RS-700	-0.95016232704
8951	-122.360	37.717	2062.636	2088790.495	6023641.742	0	RS-700	-0.53688075472
8952	-122.360	37.717	2096.446	2088788.451	6023643.813	0	RS-700	-0.32424138365
8953	-122.360	37.717	2006.531	2088786.404	6023646.029	0	RS-700	-0.88973918239
8954	-122.360	37.717	2023.727	2088784.354	6023648.360	0	RS-700	-0.78159207547

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8955	-122.360	37.717	1973.710	2088782.342	6023650.693	0	RS-700	-1.09616314465
8956	-122.360	37.717	1998.825	2088780.328	6023653.054	0	RS-700	-0.93820962264
8957	-122.360	37.717	1957.804	2088778.351	6023655.387	0	RS-700	-1.19619874214
8958	-122.360	37.717	2011.320	2088776.446	6023657.779	0	RS-700	-0.85962226415
8959	-122.360	37.717	2031.631	2088774.362	6023660.023	0	RS-700	-0.73187886793
8960	-122.360	37.717	2053.153	2088772.649	6023661.928	0	RS-700	-0.59652515723
8961	-122.360	37.717	1994.022	2088771.009	6023663.804	0	RS-700	-0.96841723270
8962	-122.360	37.717	1973.799	2088769.334	6023665.652	0	RS-700	-1.09560075472
8963	-122.360	37.717	2056.137	2088767.658	6023667.499	0	RS-700	-0.57775641509
8964	-122.360	37.717	1923.791	2088766.199	6023669.466	0	RS-700	-1.41011981132
8965	-122.360	37.717	1878.679	2088764.809	6023671.579	0	RS-700	-1.69384176101
8966	-122.360	37.717	2051.811	2088763.056	6023673.685	0	RS-700	-0.60496371069
8967	-122.360	37.717	1951.998	2088761.411	6023675.822	0	RS-700	-1.23271754717
8968	-122.360	37.717	1959.610	2088759.839	6023677.932	0	RS-700	-1.18484037736
8969	-122.360	37.717	2025.830	2088758.121	6023680.097	0	RS-700	-0.76836729560
8970	-122.360	37.717	2004.724	2088756.479	6023682.089	0	RS-700	-0.90110616352
8971	-122.360	37.717	2052.957	2088754.584	6023683.990	0	RS-700	-0.59775270440
8972	-122.360	37.717	1965.315	2088752.869	6023685.981	0	RS-700	-1.14896314465
8973	-122.360	37.717	2036.162	2088751.222	6023688.205	0	RS-700	-0.70338660377
8974	-122.360	37.717	1958.806	2088749.579	6023690.284	0	RS-700	-1.18989874214
8975	-122.360	37.717	1905.879	2088747.862	6023692.362	0	RS-700	-1.52277477987
8976	-122.360	37.717	1389.642	2088746.330	6023694.299	0	RS-700	-4.76954553459
8977	-122.360	37.717	1010.418	2088745.094	6023696.039	0	RS-700	-7.15460207547
8978	-122.360	37.717	1045.282	2088744.120	6023697.408	0	RS-700	-6.93533037736
8979	-122.360	37.717	1380.432	2088743.040	6023698.602	0	RS-700	-4.82747264151
8980	-122.360	37.717	1753.070	2088741.742	6023699.791	0	RS-700	-2.48383616352
8981	-122.360	37.717	1952.510	2088740.760	6023701.565	0	RS-700	-1.22949754717
8982	-122.360	37.717	1923.084	2088739.707	6023703.222	0	RS-700	-1.41456345912
8983	-122.360	37.717	1467.521	2088738.433	6023705.019	0	RS-700	-4.27973937107
8984	-122.360	37.717	1795.588	2088737.155	6023706.990	0	RS-700	-2.21642691824
8985	-122.360	37.717	2020.650	2088735.218	6023709.208	0	RS-700	-0.80094566038
8986	-122.360	37.717	1974.717	2088734.197	6023711.097	0	RS-700	-1.08982855346
8987	-122.360	37.717	1951.409	2088732.699	6023713.151	0	RS-700	-1.23642157233
8988	-122.360	37.717	2069.844	2088731.240	6023715.089	0	RS-700	-0.49154685535
8989	-122.360	37.717	2019.233	2088729.782	6023716.998	0	RS-700	-0.80985685535
8990	-122.360	37.717	1967.005	2088728.323	6023718.966	0	RS-700	-1.13833056604
8991	-122.360	37.717	2074.059	2088726.825	6023721.019	0	RS-700	-0.46503767296
8992	-122.360	37.717	2066.849	2088725.252	6023723.186	0	RS-700	-0.51038144654
8993	-122.360	37.717	2003.129	2088723.718	6023725.268	0	RS-700	-0.91113798742
8994	-122.360	37.717	2028.443	2088722.110	6023727.377	0	RS-700	-0.75192911950
8995	-122.360	37.717	1989.718	2088720.502	6023729.485	0	RS-700	-0.99548415094
8996	-122.360	37.717	2039.635	2088718.895	6023731.537	0	RS-700	-0.68154006289
8997	-122.360	37.717	1976.892	2088717.215	6023733.615	0	RS-700	-1.07615207547
8998	-122.360	37.717	2062.952	2088715.609	6023735.608	0	RS-700	-0.53489377359
8999	-122.360	37.717	1908.685	2088714.150	6023737.547	0	RS-700	-1.50512591195

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9000	-122.360	37.717	1999.719	2088712.545	6023739.511	0	RS-700	-0.93258622642
9001	-122.360	37.717	1927.984	2088710.941	6023741.446	0	RS-700	-1.38374930818
9002	-122.360	37.717	2037.449	2088709.264	6023743.380	0	RS-700	-0.69528729560
9003	-122.360	37.717	1978.515	2088707.735	6023745.172	0	RS-700	-1.06594251572
9004	-122.360	37.717	1951.410	2088706.205	6023746.994	0	RS-700	-1.23641603774
9005	-122.360	37.717	1983.814	2088704.785	6023748.846	0	RS-700	-1.03261691824
9006	-122.360	37.717	1900.969	2088703.363	6023750.727	0	RS-700	-1.55365245283
9007	-122.360	37.717	2004.727	2088701.978	6023752.638	0	RS-700	-0.90108874214
9008	-122.360	37.716	2040.605	2088700.480	6023754.720	0	RS-700	-0.67544094340
9009	-122.360	37.716	2019.829	2088698.028	6023757.159	0	RS-700	-0.80610509434
9010	-122.360	37.716	1979.724	2088697.303	6023758.823	0	RS-700	-1.05833698113
9011	-122.360	37.716	2048.741	2088695.697	6023760.816	0	RS-700	-0.62427327044
9012	-122.360	37.716	2030.528	2088694.054	6023762.866	0	RS-700	-0.73881798742
9013	-122.360	37.716	2016.838	2088692.338	6023764.915	0	RS-700	-0.82491729560
9014	-122.360	37.716	2009.930	2088690.620	6023767.080	0	RS-700	-0.86836276730
9015	-122.360	37.716	2061.543	2088688.939	6023769.158	0	RS-700	-0.54375566038
9016	-122.360	37.716	2066.263	2088687.294	6023771.296	0	RS-700	-0.51406937107
9017	-122.360	37.716	2062.641	2088685.722	6023773.434	0	RS-700	-0.53684786164
9018	-122.360	37.716	2077.258	2088683.525	6023775.879	0	RS-700	-0.44492044025
9019	-122.360	37.716	2173.784	2088682.538	6023777.884	0	RS-700	0.16216176101
9020	-122.360	37.716	2081.754	2088680.155	6023780.527	0	RS-700	-0.41664333333
9021	-122.360	37.716	2044.139	2088679.203	6023782.591	0	RS-700	-0.65321433962
9022	-122.360	37.716	1963.314	2088677.555	6023784.902	0	RS-700	-0.68236390029
9023	-122.360	37.716	2222.037	2088675.208	6023787.546	0	RS-700	0.07635369501
9024	-122.360	37.716	2491.895	2088673.563	6023789.712	0	RS-700	0.86772648094
9025	-122.360	37.716	2310.293	2088672.070	6023791.505	0	RS-700	0.33516947214
9026	-122.360	37.716	1949.801	2088670.794	6023793.418	0	RS-700	-0.72199258065
9027	-122.360	37.716	1460.600	2088669.784	6023794.786	0	RS-700	-2.15659947214
9028	-122.360	37.716	1758.285	2088668.702	6023796.067	0	RS-700	-1.28362249267
9029	-122.360	37.716	1953.002	2088667.987	6023797.210	0	RS-700	-0.71260542522
9030	-122.360	37.716	2263.483	2088667.123	6023798.552	0	RS-700	0.19789604106
9031	-122.360	37.716	2355.618	2088665.814	6023800.291	0	RS-700	1.30577056604
9032	-122.360	37.716	2096.862	2088665.118	6023802.331	0	RS-700	-0.32162327044
9033	-122.360	37.716	2061.170	2088663.172	6023804.925	0	RS-700	-0.54610088050
9034	-122.360	37.716	2084.640	2088661.305	6023807.261	0	RS-700	-0.39849194969
9035	-122.360	37.716	2026.136	2088659.772	6023809.284	0	RS-700	-0.76644113208
9036	-122.360	37.716	2024.129	2088658.239	6023811.279	0	RS-700	-0.77906088050
9037	-122.360	37.716	2046.351	2088656.741	6023813.361	0	RS-700	-0.63930144654
9038	-122.360	37.716	2111.867	2088655.279	6023815.415	0	RS-700	-0.22724905660
9039	-122.360	37.716	2087.068	2088653.784	6023817.353	0	RS-700	-0.38321974843
9040	-122.360	37.716	2077.562	2088652.362	6023819.292	0	RS-700	-0.44300408805
9041	-122.360	37.716	2026.937	2088651.085	6023821.234	0	RS-700	-0.76140503145
9042	-122.360	37.716	1981.711	2088649.737	6023823.087	0	RS-700	-1.04584194969
9043	-122.360	37.716	1974.016	2088647.177	6023825.438	0	RS-700	-1.09423597484
9044	-122.360	37.716	2015.315	2088646.935	6023826.648	0	RS-700	-0.83449962264



**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9045	-122.360	37.716	2004.428	2088645.663	6023828.330	0	RS-700	-0.90296628931
9046	-122.360	37.716	2069.532	2088644.504	6023829.840	0	RS-700	-0.49351094340
9047	-122.360	37.716	2088.761	2088643.420	6023831.265	0	RS-700	-0.37256962264
9048	-122.360	37.716	2112.186	2088641.534	6023832.703	0	RS-700	-0.22524415094
9049	-122.360	37.716	2114.755	2088641.119	6023833.389	0	RS-700	-0.20909062893
9050	-122.360	37.716	2042.556	2088640.742	6023834.076	0	RS-700	-0.66316735849
9051	-122.360	37.716	2034.548	2088640.108	6023834.815	0	RS-700	-0.71353163522
9052	-122.360	37.716	2013.325	2088638.893	6023835.485	0	RS-700	-0.84701031447
9053	-122.360	37.716	2018.829	2088637.430	6023835.775	0	RS-700	-0.81239371069
9054	-122.360	37.716	1954.515	2088635.980	6023835.457	0	RS-700	-1.21688855346
9055	-122.360	37.716	1953.608	2088634.867	6023834.653	0	RS-700	-1.22259037736
9056	-122.360	37.716	2027.630	2088634.544	6023834.387	0	RS-700	-0.75704597484
9057	-122.360	37.716	1959.702	2088635.115	6023834.976	0	RS-700	-1.18426188679
9058	-122.360	37.716	1945.698	2088635.819	6023836.234	0	RS-700	-1.27233823899
9059	-122.360	37.716	2000.435	2088635.991	6023836.730	0	RS-700	-0.92808088050
9060	-122.360	37.716	1858.959	2088636.168	6023836.994	0	RS-700	-1.81786672956
9061	-122.360	37.716	1840.029	2088636.407	6023837.779	0	RS-700	-1.93692610063
9062	-122.360	37.716	1990.338	2088636.124	6023837.369	0	RS-700	-0.99158427673
9063	-122.360	37.716	1949.605	2088635.811	6023836.639	0	RS-700	-1.24776937107
9064	-122.360	37.716	1991.922	2088635.647	6023835.710	0	RS-700	-0.98162389937
9065	-122.360	37.716	2015.625	2088635.590	6023834.899	0	RS-700	-0.83254672956
9066	-122.360	37.716	2012.826	2088635.822	6023834.238	0	RS-700	-0.85014937107
9067	-122.360	37.716	1982.915	2088636.238	6023833.465	0	RS-700	-1.03827031447
9068	-122.360	37.716	2029.733	2088636.948	6023832.525	0	RS-700	-0.74381893082
9069	-122.360	37.716	2033.613	2088638.071	6023831.014	0	RS-700	-0.71941213837
9070	-122.360	37.716	1972.722	2088639.306	6023829.360	0	RS-700	-1.10237710692
9071	-122.360	37.716	1991.719	2088640.576	6023827.766	0	RS-700	-0.98290207547
9072	-122.360	37.716	2014.525	2088642.026	6023826.261	0	RS-700	-0.83946566038
9073	-122.360	37.716	2046.626	2088643.699	6023824.529	0	RS-700	-0.63757207547
9074	-122.360	37.716	2019.036	2088645.235	6023822.361	0	RS-700	-0.81109534591
9075	-122.360	37.716	2042.933	2088646.953	6023820.255	0	RS-700	-0.66079911950
9076	-122.360	37.716	2097.653	2088648.743	6023818.120	0	RS-700	-0.31664616352
9077	-122.360	37.716	2024.041	2088650.464	6023815.840	0	RS-700	-0.77961622642
9078	-122.360	37.716	2086.274	2088652.213	6023813.936	0	RS-700	-0.38821075472
9079	-122.360	37.716	2062.536	2088653.630	6023812.258	0	RS-700	-0.53750849057
9080	-122.360	37.716	2075.741	2088655.348	6023810.122	0	RS-700	-0.45445911950
9081	-122.360	37.716	2128.657	2088657.143	6023807.785	0	RS-700	-0.12165572327
9082	-122.360	37.716	2066.849	2088658.866	6023805.389	0	RS-700	-0.51038094340
9083	-122.360	37.716	2124.556	2088660.587	6023803.051	0	RS-700	-0.14744654088
9084	-122.360	37.716	2361.498	2088662.128	6023800.652	0	RS-700	1.34275440252
9085	-122.360	37.716	2388.840	2088663.515	6023798.654	0	RS-700	1.51471773585
9086	-122.360	37.716	1939.893	2088664.750	6023797.030	0	RS-700	-0.75104712610
9087	-122.360	37.716	1540.558	2088665.794	6023795.778	0	RS-700	-1.92211771261
9088	-122.360	37.716	1756.284	2088666.882	6023794.179	0	RS-700	-1.28948853372
9089	-122.360	37.716	2438.367	2088668.118	6023792.468	0	RS-700	0.71075255132

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9090	-122.360	37.716	2412.859	2088669.572	6023790.790	0	RS-700	0.63595035191
9091	-122.360	37.716	2128.985	2088671.061	6023789.141	0	RS-700	-0.19652595308
9092	-122.360	37.716	1698.271	2088672.486	6023787.087	0	RS-700	-1.45961571848
9093	-122.360	37.716	1851.848	2088674.093	6023785.007	0	RS-700	-1.00924258065
9094	-122.360	37.716	2032.835	2088675.296	6023783.150	0	RS-700	-0.47848876833
9095	-122.360	37.716	2116.658	2088676.817	6023781.705	0	RS-700	-0.19712264151
9096	-122.360	37.716	2210.688	2088678.018	6023779.935	0	RS-700	0.39426264151
9097	-122.360	37.716	2142.768	2088679.551	6023777.940	0	RS-700	-0.03290716981
9098	-122.360	37.716	2060.848	2088681.195	6023775.832	0	RS-700	-0.54812742138
9099	-122.360	37.716	1995.819	2088682.657	6023773.720	0	RS-700	-0.95711308176
9100	-122.360	37.716	2004.927	2088684.338	6023771.642	0	RS-700	-0.89982893082
9101	-122.360	37.716	2011.335	2088685.983	6023769.505	0	RS-700	-0.85952597484
9102	-122.360	37.716	2143.460	2088687.626	6023767.425	0	RS-700	-0.02855106918
9103	-122.360	37.716	2033.944	2088689.343	6023765.319	0	RS-700	-0.71733188679
9104	-122.360	37.716	1997.203	2088691.023	6023763.269	0	RS-700	-0.94840867925
9105	-122.360	37.716	1933.406	2088692.629	6023761.247	0	RS-700	-1.34964943396
9106	-122.360	37.716	2015.826	2088694.314	6023758.937	0	RS-700	-0.83128106918
9107	-122.360	37.716	2045.521	2088695.890	6023756.596	0	RS-700	-0.64452276730
9108	-122.360	37.716	2098.182	2088697.391	6023754.369	0	RS-700	-0.31332270440
9109	-122.360	37.716	2033.734	2088698.964	6023752.202	0	RS-700	-0.71865465409
9110	-122.360	37.716	1998.728	2088700.573	6023750.006	0	RS-700	-0.93881597484
9111	-122.360	37.717	1954.808	2088702.258	6023747.725	0	RS-700	-1.21504402516
9112	-122.360	37.717	2004.628	2088703.907	6023745.386	0	RS-700	-0.90170993711
9113	-122.360	37.717	1904.068	2088705.627	6023743.105	0	RS-700	-1.53416509434
9114	-122.360	37.717	1932.698	2088707.274	6023740.882	0	RS-700	-1.35409955975
9115	-122.360	37.717	1940.312	2088708.881	6023738.831	0	RS-700	-1.30621251572
9116	-122.360	37.717	1937.714	2088710.413	6023736.836	0	RS-700	-1.32255056604
9117	-122.360	37.717	2020.627	2088711.910	6023734.840	0	RS-700	-0.80108924528
9118	-122.360	37.717	2103.761	2088713.481	6023732.760	0	RS-700	-0.27823389937
9119	-122.360	37.717	2018.628	2088715.050	6023730.766	0	RS-700	-0.81365855346
9120	-122.360	37.717	1987.321	2088716.472	6023728.827	0	RS-700	-1.01055836478
9121	-122.360	37.717	2009.625	2088717.676	6023726.912	0	RS-700	-0.87028345912
9122	-122.360	37.717	2071.641	2088718.864	6023725.750	0	RS-700	-0.48024522013
9123	-122.360	37.717	2023.628	2088720.001	6023725.367	0	RS-700	-0.78221289308
9124	-122.360	37.717	2042.642	2088721.098	6023725.158	0	RS-700	-0.66263025157
9125	-122.360	37.717	2000.821	2088722.194	6023724.977	0	RS-700	-0.92565415094
9126	-122.360	37.717	2103.495	2088723.664	6023724.312	0	RS-700	-0.27990704403
9127	-122.360	37.717	2008.628	2088725.111	6023722.981	0	RS-700	-0.87655465409
9128	-122.360	37.717	2020.824	2088725.983	6023721.233	0	RS-700	-0.79985018868
9129	-122.360	37.717	2100.070	2088726.125	6023719.587	0	RS-700	-0.30144949686
9130	-122.360	37.717	2056.332	2088726.197	6023717.824	0	RS-700	-0.57652704403
9131	-122.360	37.717	2105.546	2088726.233	6023716.002	0	RS-700	-0.26700509434
9132	-122.360	37.717	1997.822	2088726.704	6023714.276	0	RS-700	-0.94451547170
9133	-122.360	37.717	2080.443	2088727.828	6023712.678	0	RS-700	-0.42488880503
9134	-122.360	37.717	2113.970	2088729.360	6023710.741	0	RS-700	-0.21402295598

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9135	-122.360	37.717	1993.722	2088730.969	6023708.603	0	RS-700	-0.97029930818
9136	-122.360	37.717	1918.795	2088732.320	6023706.576	0	RS-700	-1.44153786164
9137	-122.360	37.717	1956.509	2088733.852	6023704.610	0	RS-700	-1.20434716981
9138	-122.360	37.717	2008.329	2088735.420	6023702.674	0	RS-700	-0.87843144654
9139	-122.360	37.717	1736.285	2088736.954	6023700.650	0	RS-700	-2.58940182390
9140	-122.360	37.717	1414.265	2088738.446	6023698.886	0	RS-700	-4.61468660377
9141	-122.360	37.717	1393.136	2088739.496	6023697.316	0	RS-700	-4.74757433962
9142	-122.360	37.717	1411.239	2088740.512	6023695.716	0	RS-700	-4.63371867925
9143	-122.360	37.717	1547.436	2088741.707	6023694.207	0	RS-700	-3.77713358491
9144	-122.360	37.717	1905.073	2088743.271	6023692.473	0	RS-700	-1.52784100629
9145	-122.360	37.717	1945.798	2088744.799	6023690.710	0	RS-700	-1.27170974843
9146	-122.360	37.717	1971.319	2088746.074	6023688.854	0	RS-700	-1.11119830189
9147	-122.360	37.717	1929.593	2088747.642	6023686.918	0	RS-700	-1.37362735849
9148	-122.360	37.717	2068.738	2088749.244	6023685.157	0	RS-700	-0.49850113208
9149	-122.360	37.717	2055.639	2088750.738	6023683.248	0	RS-700	-0.58088779874
9150	-122.360	37.717	2081.478	2088752.162	6023681.222	0	RS-700	-0.41837767296
9151	-122.360	37.717	2024.528	2088753.550	6023679.196	0	RS-700	-0.77655069182
9152	-122.360	37.717	1975.109	2088754.938	6023677.169	0	RS-700	-1.08736748428
9153	-122.360	37.717	2033.427	2088756.434	6023675.174	0	RS-700	-0.72058396226
9154	-122.360	37.717	1834.673	2088757.931	6023673.149	0	RS-700	-1.97060792453
9155	-122.360	37.717	1631.289	2088759.501	6023671.127	0	RS-700	-3.24975654088
9156	-122.360	37.717	2065.847	2088760.924	6023669.159	0	RS-700	-0.51668245283
9157	-122.360	37.717	2099.749	2088762.275	6023667.160	0	RS-700	-0.30346754717
9158	-122.360	37.717	2074.267	2088763.513	6023665.333	0	RS-700	-0.46373157233
9159	-122.360	37.717	2097.861	2088764.825	6023663.479	0	RS-700	-0.31534056604
9160	-122.360	37.717	2022.227	2088766.317	6023661.686	0	RS-700	-0.79102735849
9161	-122.360	37.717	1992.705	2088767.812	6023659.749	0	RS-700	-0.97669522013
9162	-122.360	37.717	2125.767	2088769.306	6023657.898	0	RS-700	-0.13982842767
9163	-122.360	37.717	2045.058	2088770.694	6023655.871	0	RS-700	-0.64743672956
9164	-122.360	37.717	2018.031	2088771.519	6023654.673	0	RS-700	-0.81741566038
9165	-122.360	37.717	2043.329	2088772.017	6023653.438	0	RS-700	-0.65830993711
9166	-122.360	37.717	2050.645	2088773.107	6023651.724	0	RS-700	-0.61229547170
9167	-122.360	37.717	2096.861	2088774.553	6023650.451	0	RS-700	-0.32163031447
9168	-122.360	37.717	2089.398	2088775.790	6023648.682	0	RS-700	-0.36856798742
9169	-122.360	37.717	1979.812	2088777.354	6023646.948	0	RS-700	-1.05778477987
9170	-122.360	37.717	2056.328	2088778.883	6023645.127	0	RS-700	-0.57655371069
9171	-122.360	37.717	2031.838	2088780.452	6023643.133	0	RS-700	-0.73057779874
9172	-122.360	37.717	2006.926	2088781.985	6023641.168	0	RS-700	-0.88725817610
9173	-122.360	37.717	2086.648	2088783.627	6023639.175	0	RS-700	-0.38585905660
9174	-122.360	37.717	1989.619	2088785.306	6023637.154	0	RS-700	-0.99610893082
9175	-122.360	37.717	1995.116	2088786.912	6023635.103	0	RS-700	-0.96153767296
9176	-122.360	37.717	2021.732	2088788.446	6023633.051	0	RS-700	-0.79413937107
9177	-122.360	37.717	2121.976	2088789.908	6023630.968	0	RS-700	-0.16367459120
9178	-122.360	37.717	1998.421	2088791.441	6023628.973	0	RS-700	-0.94074880503
9179	-122.360	37.717	2015.937	2088792.974	6023626.979	0	RS-700	-0.83058578616

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9180	-122.360	37.717	2012.731	2088794.432	6023625.098	0	RS-700	-0.85075094340
9181	-122.360	37.717	2114.970	2088796.001	6023623.104	0	RS-700	-0.20773647799
9182	-122.360	37.717	2055.843	2088797.498	6023621.051	0	RS-700	-0.57960547170
9183	-122.360	37.717	2063.744	2088799.106	6023618.971	0	RS-700	-0.52991396226
9184	-122.360	37.717	2017.219	2088800.783	6023617.037	0	RS-700	-0.82252452830
9185	-122.360	37.717	1953.511	2088802.277	6023615.157	0	RS-700	-1.22319823899
9186	-122.360	37.717	1998.530	2088803.954	6023613.252	0	RS-700	-0.94006163522
9187	-122.360	37.717	2106.441	2088805.773	6023611.495	0	RS-700	-0.26137635220
9188	-122.360	37.717	2031.740	2088807.629	6023609.767	0	RS-700	-0.73119628931
9189	-122.360	37.717	2050.741	2088809.410	6023608.095	0	RS-700	-0.61169301887
9190	-122.360	37.717	1935.796	2088811.157	6023606.337	0	RS-700	-1.33461716981
9191	-122.360	37.717	2091.952	2088812.866	6023604.606	0	RS-700	-0.35250622642
9192	-122.360	37.717	1968.710	2088814.687	6023602.790	0	RS-700	-1.12761169811
9193	-122.360	37.717	1971.808	2088816.617	6023600.948	0	RS-700	-1.10812301887
9194	-122.360	37.717	2057.643	2088818.476	6023599.076	0	RS-700	-0.56828408805
9195	-122.360	37.717	1984.616	2088820.263	6023597.086	0	RS-700	-1.02757471698
9196	-122.360	37.717	2008.130	2088821.908	6023594.978	0	RS-700	-0.87968805031
9197	-122.360	37.717	2032.321	2088823.444	6023592.810	0	RS-700	-0.72753836478
9198	-122.360	37.717	2039.843	2088824.982	6023590.555	0	RS-700	-0.68023295598
9199	-122.360	37.717	2047.540	2088826.555	6023588.359	0	RS-700	-0.63182484277
9200	-122.360	37.717	2047.046	2088828.312	6023586.108	0	RS-700	-0.63493220126
9201	-122.360	37.717	2022.132	2088830.176	6023583.917	0	RS-700	-0.79162138365
9202	-122.360	37.717	2143.095	2088832.040	6023581.756	0	RS-700	-0.03085012579
9203	-122.360	37.717	2042.944	2088833.903	6023579.652	0	RS-700	-0.66073069182
9204	-122.360	37.717	2123.659	2088835.694	6023577.489	0	RS-700	-0.15309113208
9205	-122.360	37.717	2061.154	2088837.162	6023575.088	0	RS-700	-0.54619893082
9206	-122.360	37.717	2050.637	2088838.849	6023572.662	0	RS-700	-0.61234471698
9207	-122.360	37.717	2113.655	2088840.679	6023570.355	0	RS-700	-0.21600654088
9208	-122.360	37.717	1879.480	2088842.435	6023568.134	0	RS-700	-1.68880616352
9209	-122.360	37.717	1955.607	2088844.193	6023565.796	0	RS-700	-1.21001685535
9210	-122.360	37.717	2129.447	2088846.059	6023563.548	0	RS-700	-0.11668440252
9211	-122.360	37.717	1982.907	2088847.853	6023561.269	0	RS-700	-1.03831823899
9212	-122.360	37.717	1068.268	2088849.720	6023558.934	0	RS-700	-6.79076522013
9213	-122.361	37.717	1071.118	2088851.475	6023556.741	0	RS-700	-6.77283968553
9214	-122.361	37.717	1942.805	2088853.268	6023554.491	0	RS-700	-1.29053603774
9215	-122.361	37.717	2004.523	2088855.168	6023552.359	0	RS-700	-0.90236911950
9216	-122.361	37.717	2049.739	2088857.104	6023550.228	0	RS-700	-0.61799383648
9217	-122.361	37.717	2070.842	2088858.857	6023548.151	0	RS-700	-0.48526918239
9218	-122.361	37.717	2031.633	2088860.650	6023545.872	0	RS-700	-0.73186861635
9219	-122.361	37.717	2021.527	2088862.447	6023543.449	0	RS-700	-0.79542496855
9220	-122.361	37.717	2036.148	2088864.133	6023541.081	0	RS-700	-0.70347075472
9221	-122.361	37.717	2019.827	2088865.817	6023538.800	0	RS-700	-0.80612138365
9222	-122.361	37.717	2013.727	2088867.573	6023536.550	0	RS-700	-0.84448257862
9223	-122.361	37.717	2032.736	2088869.293	6023534.298	0	RS-700	-0.72492880503
9224	-122.361	37.717	1986.516	2088870.977	6023532.017	0	RS-700	-1.01562383648

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9225	-122.361	37.717	2004.643	2088872.663	6023529.679	0	RS-700	-0.90161371069
9226	-122.361	37.717	1954.117	2088874.347	6023527.398	0	RS-700	-1.21938729560
9227	-122.361	37.717	1998.519	2088875.996	6023525.058	0	RS-700	-0.94013402516
9228	-122.361	37.717	2008.827	2088877.385	6023522.974	0	RS-700	-0.87530276730
9229	-122.361	37.717	1802.559	2088878.806	6023521.122	0	RS-700	-2.17258308176
9230	-122.361	37.717	1959.610	2088880.264	6023519.212	0	RS-700	-1.18484157233
9231	-122.361	37.717	2077.437	2088881.464	6023517.471	0	RS-700	-0.44379402516
9232	-122.361	37.717	2078.633	2088883.065	6023515.738	0	RS-700	-0.43626899371
9233	-122.361	37.717	2163.988	2088884.834	6023514.645	0	RS-700	0.10055389937
9234	-122.361	37.717	1973.322	2088885.826	6023514.231	0	RS-700	-1.09860666667
9235	-122.361	37.717	2131.664	2088886.972	6023513.357	0	RS-700	-0.10274276730
9236	-122.361	37.717	2162.103	2088887.986	6023511.844	0	RS-700	0.08869610063
9237	-122.361	37.717	2070.746	2088888.345	6023510.260	0	RS-700	-0.48587213837
9238	-122.361	37.717	2095.383	2088888.156	6023508.752	0	RS-700	-0.33092163522
9239	-122.361	37.717	2144.341	2088888.089	6023508.461	0	RS-700	-0.02301182390
9240	-122.361	37.717	2114.978	2088889.456	6023509.327	0	RS-700	-0.20768641509
9241	-122.361	37.717	2168.893	2088891.740	6023509.836	0	RS-700	0.13139981132
9242	-122.361	37.717	2123.078	2088892.102	6023509.958	0	RS-700	-0.15673918239
9243	-122.361	37.717	2139.997	2088890.730	6023509.353	0	RS-700	-0.05033314465
9244	-122.361	37.717	2115.554	2088889.094	6023509.233	0	RS-700	-0.20406547170
9245	-122.361	37.717	2105.758	2088887.590	6023509.782	0	RS-700	-0.26567415094
9246	-122.361	37.717	2090.964	2088886.193	6023510.420	0	RS-700	-0.35871880503
9247	-122.361	37.717	2209.223	2088884.869	6023511.088	0	RS-700	0.38505006289
9248	-122.361	37.717	2092.861	2088883.433	6023511.869	0	RS-700	-0.34678603774
9249	-122.361	37.717	2004.627	2088881.852	6023512.590	0	RS-700	-0.90171792453
9250	-122.361	37.717	2164.785	2088880.855	6023513.293	0	RS-700	0.10556672956
9251	-122.361	37.717	2052.843	2088879.777	6023514.400	0	RS-700	-0.59846886793
9252	-122.361	37.717	1809.381	2088878.323	6023516.078	0	RS-700	-2.12968031447
9253	-122.361	37.717	1981.615	2088876.941	6023517.844	0	RS-700	-1.04644930818
9254	-122.361	37.717	2001.922	2088875.846	6023519.790	0	RS-700	-0.91872805031
9255	-122.361	37.717	2010.922	2088874.321	6023521.380	0	RS-700	-0.86212647799
9256	-122.361	37.717	2057.536	2088872.711	6023523.604	0	RS-700	-0.56895383648
9257	-122.361	37.717	1989.419	2088871.101	6023525.829	0	RS-700	-0.99736327044
9258	-122.361	37.717	1925.212	2088870.118	6023527.632	0	RS-700	-1.40118176101
9259	-122.361	37.717	1965.610	2088868.330	6023529.650	0	RS-700	-1.14710874214
9260	-122.361	37.717	1976.196	2088866.502	6023531.813	0	RS-700	-1.08053000000
9261	-122.361	37.717	1647.743	2088864.819	6023534.036	0	RS-700	-3.14627144654
9262	-122.361	37.717	2035.636	2088863.099	6023536.287	0	RS-700	-0.70668943396
9263	-122.361	37.717	2032.626	2088861.307	6023538.508	0	RS-700	-0.72562503145
9264	-122.361	37.717	2070.436	2088859.482	6023540.526	0	RS-700	-0.48782559748
9265	-122.361	37.717	2072.462	2088857.656	6023542.630	0	RS-700	-0.47508069182
9266	-122.361	37.717	2049.747	2088855.793	6023544.734	0	RS-700	-0.61794238994
9267	-122.361	37.717	1989.524	2088853.924	6023547.127	0	RS-700	-0.99670207547
9268	-122.361	37.717	1532.387	2088852.056	6023549.491	0	RS-700	-3.87178037736
9269	-122.361	37.717	1448.195	2088850.192	6023551.653	0	RS-700	-4.40129031447

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9270	-122.361	37.717	1637.466	2088848.327	6023553.872	0	RS-700	-3.21090345912
9271	-122.361	37.717	1952.705	2088846.643	6023556.153	0	RS-700	-1.22827276730
9272	-122.360	37.717	2146.984	2088844.810	6023558.605	0	RS-700	-0.00638899371
9273	-122.360	37.717	1890.826	2088843.164	6023560.800	0	RS-700	-1.61744396226
9274	-122.360	37.717	1926.598	2088841.551	6023563.140	0	RS-700	-1.39246264151
9275	-122.360	37.717	2051.946	2088839.689	6023565.215	0	RS-700	-0.60411496855
9276	-122.360	37.717	1999.724	2088838.085	6023567.150	0	RS-700	-0.93255270440
9277	-122.360	37.717	2113.969	2088836.593	6023568.914	0	RS-700	-0.21403176101
9278	-122.360	37.717	2119.673	2088835.323	6023570.480	0	RS-700	-0.17815836478
9279	-122.360	37.717	2096.968	2088834.852	6023572.207	0	RS-700	-0.32095572327
9280	-122.360	37.717	2184.216	2088834.928	6023573.857	0	RS-700	0.22777415094
9281	-122.360	37.717	2055.638	2088835.220	6023575.657	0	RS-700	-0.58089232704
9282	-122.360	37.717	2092.442	2088835.039	6023577.476	0	RS-700	-0.34942025157
9283	-122.360	37.717	2071.070	2088834.311	6023579.284	0	RS-700	-0.48383509434
9284	-122.360	37.717	2130.195	2088832.933	6023580.790	0	RS-700	-0.11197880503
9285	-122.360	37.717	2035.317	2088831.938	6023581.378	0	RS-700	-0.70869559748
9286	-122.360	37.717	2056.639	2088829.522	6023581.995	0	RS-700	-0.57459597484
9287	-122.360	37.717	2138.577	2088827.990	6023582.109	0	RS-700	-0.05926440252
9288	-122.360	37.717	2089.877	2088826.519	6023582.832	0	RS-700	-0.36555616352
9289	-122.360	37.717	2018.626	2088826.031	6023583.575	0	RS-700	-0.81367037736
9290	-122.360	37.717	2127.303	2088825.244	6023584.687	0	RS-700	-0.13016830189
9291	-122.360	37.717	1947.812	2088823.863	6023586.396	0	RS-700	-1.25904540881
9292	-122.360	37.717	2076.084	2088822.404	6023588.305	0	RS-700	-0.45229943396
9293	-122.360	37.717	2051.153	2088820.834	6023590.357	0	RS-700	-0.60909905660
9294	-122.360	37.717	2074.966	2088819.224	6023592.581	0	RS-700	-0.45933106918
9295	-122.360	37.717	2007.219	2088817.615	6023594.719	0	RS-700	-0.88541402516
9296	-122.360	37.717	1977.819	2088816.008	6023596.770	0	RS-700	-1.07032352201
9297	-122.360	37.717	2022.839	2088814.364	6023598.878	0	RS-700	-0.78717867925
9298	-122.360	37.717	1917.870	2088812.796	6023600.814	0	RS-700	-1.44735937107
9299	-122.360	37.717	2069.540	2088811.120	6023602.691	0	RS-700	-0.49345666667
9300	-122.360	37.717	2080.751	2088809.660	6023604.658	0	RS-700	-0.42295138365
9301	-122.360	37.717	2028.521	2088808.236	6023606.683	0	RS-700	-0.75143974843
9302	-122.360	37.717	1991.619	2088806.627	6023608.850	0	RS-700	-0.98353088050
9303	-122.360	37.717	1966.999	2088805.017	6023611.046	0	RS-700	-1.13836811321
9304	-122.360	37.717	1969.313	2088803.409	6023613.184	0	RS-700	-1.12381886792
9305	-122.360	37.717	2096.440	2088801.873	6023615.323	0	RS-700	-0.32427867925
9306	-122.360	37.717	1915.781	2088800.374	6023617.463	0	RS-700	-1.46049893082
9307	-122.360	37.717	2030.627	2088798.876	6023619.545	0	RS-700	-0.73819446541
9308	-122.360	37.717	1901.974	2088797.377	6023621.656	0	RS-700	-1.54733264151
9309	-122.360	37.717	1967.104	2088795.988	6023623.740	0	RS-700	-1.13771245283
9310	-122.360	37.717	2040.151	2088794.528	6023625.737	0	RS-700	-0.67829270440
9311	-122.360	37.717	1947.404	2088792.998	6023627.587	0	RS-700	-1.26160855346
9312	-122.360	37.717	2053.184	2088791.215	6023629.345	0	RS-700	-0.59632981132
9313	-122.360	37.717	1959.188	2088789.646	6023631.339	0	RS-700	-1.18749905660
9314	-122.360	37.717	2003.720	2088788.111	6023633.449	0	RS-700	-0.90742220126

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9315	-122.360	37.717	2043.062	2088786.503	6023635.558	0	RS-700	-0.65998786164
9316	-122.360	37.717	2018.932	2088785.005	6023637.611	0	RS-700	-0.81174723270
9317	-122.360	37.717	1994.419	2088783.470	6023639.722	0	RS-700	-0.96591962264
9318	-122.360	37.717	2043.332	2088781.898	6023641.860	0	RS-700	-0.65828748428
9319	-122.360	37.717	2013.625	2088780.291	6023643.911	0	RS-700	-0.84512540881
9320	-122.360	37.717	2061.845	2088778.720	6023645.992	0	RS-700	-0.54185679245
9321	-122.360	37.717	2008.726	2088777.113	6023648.072	0	RS-700	-0.87593911950
9322	-122.360	37.717	2042.846	2088775.506	6023650.123	0	RS-700	-0.66134503145
9323	-122.360	37.717	1957.417	2088773.824	6023652.288	0	RS-700	-1.19863327044
9324	-122.360	37.717	1924.886	2088772.068	6023654.539	0	RS-700	-1.40323408805
9325	-122.360	37.717	2030.630	2088770.463	6023656.503	0	RS-700	-0.73817301887
9326	-122.360	37.717	2099.648	2088769.298	6023658.274	0	RS-700	-0.30410100629
9327	-122.360	37.717	2060.866	2088767.700	6023659.920	0	RS-700	-0.54801477987
9328	-122.360	37.717	2114.084	2088766.167	6023661.915	0	RS-700	-0.21331031447
9329	-122.360	37.717	2038.325	2088764.524	6023663.965	0	RS-700	-0.68978025157
9330	-122.360	37.717	2039.839	2088763.027	6023665.989	0	RS-700	-0.68025735849
9331	-122.360	37.717	1708.552	2088761.600	6023668.160	0	RS-700	-2.76382509434
9332	-122.360	37.717	1895.718	2088760.029	6023670.240	0	RS-700	-1.58668012579
9333	-122.360	37.717	1922.580	2088758.205	6023672.229	0	RS-700	-1.41773729560
9334	-122.360	37.717	1937.790	2088756.705	6023674.369	0	RS-700	-1.32207647799
9335	-122.360	37.717	1948.316	2088755.171	6023676.422	0	RS-700	-1.25587345912
9336	-122.360	37.717	2031.620	2088753.562	6023678.588	0	RS-700	-0.73194849057
9337	-122.360	37.717	2032.137	2088752.135	6023680.759	0	RS-700	-0.72870025157
9338	-122.360	37.717	1959.413	2088750.602	6023682.782	0	RS-700	-1.18608301887
9339	-122.360	37.717	1944.892	2088748.704	6023684.828	0	RS-700	-1.27740823899
9340	-122.360	37.717	2038.638	2088746.805	6023686.902	0	RS-700	-0.68780930818
9341	-122.360	37.717	1887.799	2088744.905	6023689.034	0	RS-700	-1.63648377358
9342	-122.360	37.717	1654.278	2088743.154	6023691.024	0	RS-700	-3.10516786164
9343	-122.360	37.717	1580.546	2088741.116	6023692.777	0	RS-700	-3.56889540881
9344	-122.360	37.717	1711.416	2088739.332	6023694.593	0	RS-700	-2.74581358491
9345	-122.360	37.717	1807.642	2088738.166	6023696.451	0	RS-700	-2.14061528302
9346	-122.360	37.717	2030.159	2088736.773	6023698.766	0	RS-700	-0.74113698113
9347	-122.360	37.717	1914.792	2088735.163	6023700.962	0	RS-700	-1.46671490566
9348	-122.360	37.717	1975.109	2088733.190	6023703.093	0	RS-700	-1.08736433962
9349	-122.360	37.717	1907.688	2088731.365	6023705.168	0	RS-700	-1.51139333333
9350	-122.360	37.717	2052.152	2088730.386	6023706.769	0	RS-700	-0.60281559748
9351	-122.360	37.717	1928.687	2088728.634	6023708.817	0	RS-700	-1.37932408805
9352	-122.360	37.717	2059.756	2088727.102	6023710.754	0	RS-700	-0.55499622642
9353	-122.360	37.717	2056.055	2088725.742	6023713.215	0	RS-700	-0.57826949686
9354	-122.360	37.717	2065.647	2088725.740	6023715.153	0	RS-700	-0.51794308176
9355	-122.360	37.717	2060.427	2088725.847	6023717.094	0	RS-700	-0.55077433962
9356	-122.360	37.717	2048.735	2088725.811	6023718.916	0	RS-700	-0.62430761006
9357	-122.360	37.717	2039.146	2088725.231	6023720.582	0	RS-700	-0.68461924528
9358	-122.360	37.717	2002.822	2088724.478	6023721.840	0	RS-700	-0.91307075472
9359	-122.360	37.717	2102.659	2088723.434	6023723.063	0	RS-700	-0.28516660377

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9360	-122.360	37.717	2122.191	2088722.178	6023723.964	0	RS-700	-0.16232383648
9361	-122.360	37.717	2104.878	2088720.790	6023724.168	0	RS-700	-0.27120616352
9362	-122.360	37.717	1915.710	2088719.509	6023724.490	0	RS-700	-1.46094509434
9363	-122.360	37.717	2038.634	2088717.575	6023724.683	0	RS-700	-0.68783867925
9364	-122.360	37.717	2096.759	2088715.884	6023725.430	0	RS-700	-0.32226761006
9365	-122.360	37.717	2053.128	2088714.653	6023726.939	0	RS-700	-0.59667616352
9366	-122.360	37.717	2127.085	2088713.194	6023728.848	0	RS-700	-0.13153924528
9367	-122.360	37.717	2065.426	2088711.586	6023730.957	0	RS-700	-0.51933144654
9368	-122.360	37.717	1969.296	2088709.937	6023733.297	0	RS-700	-1.12392220126
9369	-122.360	37.717	1985.153	2088708.180	6023735.605	0	RS-700	-1.02419207547
9370	-122.360	37.717	1989.712	2088706.388	6023737.826	0	RS-700	-0.99552333333
9371	-122.360	37.717	1973.613	2088704.527	6023739.814	0	RS-700	-1.09677446541
9372	-122.360	37.717	2078.641	2088702.595	6023741.743	0	RS-700	-0.43622327044
9373	-122.360	37.716	2078.636	2088700.663	6023743.672	0	RS-700	-0.43625301887
9374	-122.360	37.716	2084.864	2088698.764	6023745.746	0	RS-700	-0.39708295598
9375	-122.360	37.716	2054.152	2088697.006	6023748.084	0	RS-700	-0.59023735849
9376	-122.360	37.716	2032.134	2088695.283	6023750.480	0	RS-700	-0.72871943396
9377	-122.360	37.716	2079.234	2088693.453	6023752.787	0	RS-700	-0.43249308176
9378	-122.360	37.716	1959.812	2088691.550	6023755.063	0	RS-700	-1.18357056604
9379	-122.360	37.716	2011.827	2088689.614	6023757.224	0	RS-700	-0.85643647799
9380	-122.360	37.716	2068.953	2088687.713	6023759.384	0	RS-700	-0.49715213837
9381	-122.360	37.716	2063.945	2088685.884	6023761.634	0	RS-700	-0.52864918239
9382	-122.360	37.716	2041.845	2088684.308	6023763.975	0	RS-700	-0.66764163522
9383	-122.360	37.716	2073.585	2088682.659	6023766.314	0	RS-700	-0.46801943396
9384	-122.360	37.716	2065.266	2088680.829	6023768.592	0	RS-700	-0.52034163522
9385	-122.360	37.716	2209.905	2088678.927	6023770.840	0	RS-700	0.38934000000
9386	-122.360	37.716	2176.657	2088677.134	6023773.119	0	RS-700	0.18023283019
9387	-122.360	37.716	2095.549	2088675.448	6023775.487	0	RS-700	-0.32988308176
9388	-122.360	37.716	2086.644	2088673.765	6023777.710	0	RS-700	-0.38588823899
9389	-122.360	37.716	2108.074	2088671.973	6023779.902	0	RS-700	-0.25784739003
9390	-122.360	37.716	2217.470	2088670.038	6023782.004	0	RS-700	0.06296302053
9391	-122.360	37.716	2277.051	2088668.068	6023783.961	0	RS-700	0.23768744868
9392	-122.360	37.716	2389.221	2088666.463	6023785.954	0	RS-700	0.56663052786
9393	-122.360	37.716	1941.690	2088664.966	6023787.950	0	RS-700	-0.74577592375
9394	-122.360	37.716	1515.701	2088663.764	6023789.806	0	RS-700	-1.99501087977
9395	-122.360	37.716	1999.419	2088662.595	6023791.808	0	RS-700	-0.57648428153
9396	-122.360	37.716	2433.994	2088661.504	6023793.580	0	RS-700	0.69793020528
9397	-122.360	37.716	2419.484	2088659.972	6023795.517	0	RS-700	1.70744515723
9398	-122.360	37.716	2320.420	2088659.776	6023796.208	0	RS-700	1.08440169811
9399	-122.360	37.716	2202.795	2088658.586	6023797.457	0	RS-700	0.34462232704
9400	-122.360	37.716	2342.720	2088658.549	6023797.485	0	RS-700	1.22465572327
9401	-122.360	37.716	2271.044	2088658.511	6023797.600	0	RS-700	0.77386452830
9402	-122.360	37.716	2245.037	2088658.474	6023797.628	0	RS-700	0.61029415094
9403	-122.360	37.716	2302.981	2088658.474	6023797.599	0	RS-700	0.97472635220
9404	-122.360	37.716	2307.950	2088658.437	6023797.656	0	RS-700	1.00597691824



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9405	-122.360	37.716	2234.925	2088658.437	6023797.628	0	RS-700	0.54669503145
9406	-122.360	37.716	2291.053	2088658.437	6023797.656	0	RS-700	0.89970163522
9407	-122.360	37.716	2193.903	2088658.437	6023797.656	0	RS-700	0.28870000000
9408	-122.360	37.716	2189.904	2088658.400	6023797.656	0	RS-700	0.26355025157
9409	-122.360	37.716	2188.775	2088658.437	6023797.656	0	RS-700	0.25644452830
9410	-122.360	37.716	2251.267	2088658.437	6023797.656	0	RS-700	0.64947572327
9411	-122.360	37.716	2218.924	2088658.437	6023797.656	0	RS-700	0.44606125786
9412	-122.360	37.716	2234.029	2088658.399	6023797.714	0	RS-700	0.54106069182
9413	-122.360	37.716	2214.114	2088658.360	6023797.829	0	RS-700	0.41581132076
9414	-122.360	37.716	2152.000	2088658.203	6023798.433	0	RS-700	0.02515610063
9415	-122.360	37.716	2044.351	2088658.105	6023799.704	0	RS-700	-0.65188144654
9416	-122.360	37.716	2069.645	2088658.188	6023801.007	0	RS-700	-0.49280006289
9417	-122.360	37.716	2052.731	2088658.311	6023802.167	0	RS-700	-0.59917496855
9418	-122.360	37.716	2076.855	2088658.308	6023802.283	0	RS-700	-0.44745276730
9419	-122.360	37.716	2031.428	2088658.276	6023802.051	0	RS-700	-0.73315459120
9420	-122.360	37.716	2099.761	2088658.278	6023801.993	0	RS-700	-0.30339037736
9421	-122.360	37.716	2004.824	2088658.314	6023801.994	0	RS-700	-0.90047496855
9422	-122.360	37.716	1991.918	2088658.315	6023801.965	0	RS-700	-0.98164685535
9423	-122.360	37.716	2052.047	2088658.314	6023801.994	0	RS-700	-0.60347496855
9424	-122.360	37.716	2075.855	2088658.350	6023801.994	0	RS-700	-0.45374018868
9425	-122.360	37.716	2046.729	2088658.387	6023801.966	0	RS-700	-0.63692540881
9426	-122.360	37.716	2025.318	2088658.424	6023801.967	0	RS-700	-0.77158301887
9427	-122.360	37.716	2070.534	2088658.424	6023801.967	0	RS-700	-0.48720515723
9428	-122.360	37.716	2077.968	2088658.424	6023801.967	0	RS-700	-0.44044974843
9429	-122.360	37.716	2064.434	2088658.460	6023801.997	0	RS-700	-0.52557471698
9430	-122.360	37.716	2037.326	2088658.460	6023801.997	0	RS-700	-0.69606270440
9431	-122.360	37.716	2103.654	2088658.460	6023801.997	0	RS-700	-0.27890597484
9432	-122.360	37.716	2103.336	2088658.459	6023802.025	0	RS-700	-0.28090471698
9433	-122.360	37.716	2175.463	2088658.459	6023802.025	0	RS-700	0.17272270440
9434	-122.360	37.716	2031.624	2088658.459	6023802.025	0	RS-700	-0.73192691824
9435	-122.360	37.716	2040.349	2088658.458	6023802.054	0	RS-700	-0.67705264151
9436	-122.360	37.716	2039.246	2088658.495	6023802.055	0	RS-700	-0.68398691824
9437	-122.360	37.716	2058.151	2088658.495	6023802.055	0	RS-700	-0.56509025157
9438	-122.360	37.716	2072.476	2088658.495	6023802.055	0	RS-700	-0.47499566038
9439	-122.360	37.716	2116.549	2088659.046	6023801.835	0	RS-700	-0.19780503145
9440	-122.360	37.716	2085.505	2088658.495	6023802.055	0	RS-700	-0.39305301887
9441	-122.360	37.716	2004.917	2088658.494	6023802.084	0	RS-700	-0.89989100629
9442	-122.360	37.716	2051.635	2088658.494	6023802.084	0	RS-700	-0.60606798742
9443	-122.360	37.716	2131.983	2088658.494	6023802.113	0	RS-700	-0.10073427673
9444	-122.360	37.716	2004.028	2088659.009	6023801.863	0	RS-700	-0.90548496855
9445	-122.360	37.716	2068.366	2088659.009	6023801.863	0	RS-700	-0.50084572327
9446	-122.360	37.716	2062.732	2088659.009	6023801.863	0	RS-700	-0.53627867925
9447	-122.360	37.716	2175.998	2088659.044	6023801.892	0	RS-700	0.17608509434
9448	-122.360	37.716	2024.525	2088659.007	6023801.921	0	RS-700	-0.77657509434
9449	-122.360	37.716	2130.294	2088659.044	6023801.921	0	RS-700	-0.11135842767

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9450	-122.360	37.716	2050.752	2088659.043	6023801.950	0	RS-700	-0.61161955975
9451	-122.360	37.716	2018.526	2088659.043	6023801.950	0	RS-700	-0.81430276730
9452	-122.360	37.716	1987.618	2088659.043	6023801.950	0	RS-700	-1.00869176101
9453	-122.360	37.716	2101.339	2088659.043	6023801.979	0	RS-700	-0.29346553459
9454	-122.360	37.716	2108.854	2088658.288	6023803.295	0	RS-700	-0.24620044025
9455	-122.360	37.716	2149.880	2088658.288	6023803.295	0	RS-700	0.01182647799
9456	-122.360	37.716	2073.957	2088658.252	6023803.294	0	RS-700	-0.46567981132
9457	-122.360	37.716	2144.096	2088658.215	6023803.294	0	RS-700	-0.02455194969
9458	-122.360	37.716	2006.718	2088658.215	6023803.294	0	RS-700	-0.88856911950
9459	-122.360	37.716	2053.737	2088658.215	6023803.294	0	RS-700	-0.59285157233
9460	-122.360	37.716	2048.937	2088658.252	6023803.294	0	RS-700	-0.62303830189
9461	-122.360	37.716	2042.821	2088658.216	6023803.265	0	RS-700	-0.66150327044
9462	-122.360	37.716	2003.318	2088658.252	6023803.265	0	RS-700	-0.90994918239
9463	-122.360	37.716	2032.054	2088658.252	6023803.265	0	RS-700	-0.72921943396
9464	-122.360	37.716	2037.918	2088658.813	6023802.553	0	RS-700	-0.69233893082
9465	-122.360	37.716	2118.334	2088660.501	6023800.070	0	RS-700	-0.18657861635
9466	-122.360	37.716	2202.782	2088661.819	6023797.868	0	RS-700	0.34453918239
9467	-122.360	37.716	2382.565	2088662.736	6023795.717	0	RS-700	0.54711140763
9468	-122.360	37.716	2303.823	2088663.320	6023793.819	0	RS-700	0.31619744868
9469	-122.360	37.716	1814.375	2088663.485	6023791.016	0	RS-700	-1.11913627566
9470	-122.360	37.716	1542.474	2088663.065	6023788.317	0	RS-700	-1.91649812317
9471	-122.360	37.716	1535.546	2088661.648	6023786.322	0	RS-700	-1.93681636364
9472	-122.360	37.716	1616.583	2088659.920	6023785.333	0	RS-700	-1.69917120235
9473	-122.360	37.716	1583.571	2088658.619	6023784.815	0	RS-700	-1.79597953079
9474	-122.360	37.716	1622.497	2088659.411	6023785.294	0	RS-700	-1.68182642229
9475	-122.360	37.716	1571.240	2088661.036	6023785.991	0	RS-700	-1.83214140762
9476	-122.360	37.716	1900.388	2088663.112	6023785.946	0	RS-700	-0.86689762463
9477	-122.360	37.716	2457.364	2088665.095	6023785.146	0	RS-700	0.76646190616
9478	-122.360	37.716	2465.244	2088666.931	6023784.373	0	RS-700	0.78957255132
9479	-122.360	37.716	2337.719	2088668.770	6023783.454	0	RS-700	0.41559741936
9480	-122.360	37.716	2115.550	2088670.074	6023782.005	0	RS-700	-0.23592272727
9481	-122.360	37.716	1900.718	2088670.824	6023780.891	0	RS-700	-0.86592926686
9482	-122.360	37.716	1744.927	2088671.166	6023780.204	0	RS-700	-1.32279348974
9483	-122.360	37.716	1739.216	2088671.688	6023779.607	0	RS-700	-1.33954390029
9484	-122.360	37.716	1816.823	2088672.061	6023779.122	0	RS-700	-2.08287308176
9485	-122.360	37.716	1787.371	2088672.062	6023779.093	0	RS-700	-2.26810496855
9486	-122.360	37.716	1831.462	2088672.462	6023779.130	0	RS-700	-1.99080345912
9487	-122.360	37.716	1767.151	2088672.060	6023779.180	0	RS-700	-2.39527591195
9488	-122.360	37.716	1751.911	2088672.060	6023779.180	0	RS-700	-2.49112691824
9489	-122.360	37.716	1840.383	2088672.024	6023779.151	0	RS-700	-1.93469792453
9490	-122.360	37.716	1777.345	2088672.024	6023779.179	0	RS-700	-2.33116138365
9491	-122.360	37.716	1766.798	2088671.987	6023779.208	0	RS-700	-2.39749679245
9492	-122.360	37.716	1750.737	2088671.987	6023779.208	0	RS-700	-2.49851113208
9493	-122.360	37.716	1771.570	2088671.986	6023779.265	0	RS-700	-2.36748691824
9494	-122.360	37.716	1846.753	2088671.985	6023779.294	0	RS-700	-1.02418586510

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9495	-122.360	37.716	1834.566	2088672.022	6023779.295	0	RS-700	-1.97128459119
9496	-122.360	37.716	1804.067	2088671.985	6023779.294	0	RS-700	-1.14936378299
9497	-122.360	37.716	1801.903	2088671.985	6023779.323	0	RS-700	-1.15570979472
9498	-122.360	37.716	1830.644	2088671.948	6023779.323	0	RS-700	-1.07142601173
9499	-122.360	37.716	1826.564	2088671.948	6023779.323	0	RS-700	-1.08339087977
9500	-122.360	37.716	1725.531	2088671.948	6023779.323	0	RS-700	-1.37967419355
9501	-122.360	37.716	1799.404	2088671.985	6023779.323	0	RS-700	-1.16303844575
9502	-122.360	37.716	1743.479	2088671.985	6023779.294	0	RS-700	-1.32704017595
9503	-122.360	37.716	1773.576	2088671.949	6023779.294	0	RS-700	-1.23878038123
9504	-122.360	37.716	1759.617	2088671.985	6023779.294	0	RS-700	-1.27971633431
9505	-122.360	37.716	1771.603	2088671.985	6023779.294	0	RS-700	-1.24456692082
9506	-122.360	37.716	1818.515	2088671.949	6023779.294	0	RS-700	-1.10699475073
9507	-122.360	37.716	1813.765	2088671.949	6023779.294	0	RS-700	-1.12092498534
9508	-122.360	37.716	1831.644	2088671.985	6023779.294	0	RS-700	-1.06849190616
9509	-122.360	37.716	1805.395	2088671.985	6023779.294	0	RS-700	-1.14546891496
9510	-122.360	37.716	1834.381	2088671.949	6023779.294	0	RS-700	-1.06046721408
9511	-122.360	37.716	1782.679	2088671.949	6023779.294	0	RS-700	-1.21208495601
9512	-122.360	37.716	1740.565	2088671.985	6023779.323	0	RS-700	-1.33558624633
9513	-122.360	37.716	1723.435	2088671.948	6023779.323	0	RS-700	-1.38582208211
9514	-122.360	37.716	1965.800	2088671.757	6023779.782	0	RS-700	-0.67507310850
9515	-122.360	37.716	2032.831	2088673.260	6023777.439	0	RS-700	-0.72433421384
9516	-122.360	37.716	2118.848	2088674.230	6023776.301	0	RS-700	-0.18334672956
9517	-122.360	37.716	2111.649	2088675.617	6023774.304	0	RS-700	-0.22862383648
9518	-122.360	37.716	2092.641	2088677.454	6023771.650	0	RS-700	-0.34816987421
9519	-122.360	37.716	2027.718	2088679.026	6023769.540	0	RS-700	-0.75648955975
9520	-122.360	37.716	2056.730	2088680.634	6023767.431	0	RS-700	-0.57402264151
9521	-122.360	37.716	2002.916	2088682.242	6023765.322	0	RS-700	-0.91248106918
9522	-122.360	37.716	2036.425	2088683.852	6023763.098	0	RS-700	-0.70173119497
9523	-122.360	37.716	2041.839	2088685.426	6023760.843	0	RS-700	-0.66767779874
9524	-122.360	37.716	1977.805	2088687.072	6023758.677	0	RS-700	-1.07040918239
9525	-122.360	37.716	2000.115	2088688.525	6023756.999	0	RS-700	-0.93009471698
9526	-122.360	37.716	1921.264	2088688.931	6023756.747	0	RS-700	-1.42601547170
9527	-122.360	37.716	2004.609	2088689.453	6023756.150	0	RS-700	-0.90183119497
9528	-122.360	37.716	1933.497	2088689.713	6023755.895	0	RS-700	-1.34907295597
9529	-122.360	37.716	2036.932	2088689.940	6023755.465	0	RS-700	-0.69853811321
9530	-122.360	37.716	2105.850	2088689.940	6023755.465	0	RS-700	-0.26509528302
9531	-122.360	37.716	2028.731	2088689.940	6023755.436	0	RS-700	-0.75012194969
9532	-122.360	37.716	1984.602	2088689.940	6023755.436	0	RS-700	-1.02765930818
9533	-122.360	37.716	2011.122	2088689.977	6023755.408	0	RS-700	-0.86086628931
9534	-122.360	37.716	2020.208	2088690.165	6023755.123	0	RS-700	-0.80372182390
9535	-122.360	37.716	2092.965	2088691.285	6023753.756	0	RS-700	-0.34613018868
9536	-122.360	37.716	2127.647	2088692.815	6023751.877	0	RS-700	-0.12800396226
9537	-122.360	37.716	2034.421	2088694.642	6023749.744	0	RS-700	-0.71433308176
9538	-122.360	37.716	1973.605	2088696.507	6023747.524	0	RS-700	-1.09682591195
9539	-122.360	37.716	2046.834	2088698.265	6023745.216	0	RS-700	-0.63626459120

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9540	-122.360	37.716	2050.643	2088700.061	6023742.821	0	RS-700	-0.61230515723
9541	-122.360	37.717	2125.874	2088701.963	6023740.574	0	RS-700	-0.13915861635
9542	-122.360	37.717	2007.715	2088703.720	6023738.294	0	RS-700	-0.88229503145
9543	-122.360	37.717	1901.489	2088705.403	6023736.042	0	RS-700	-1.55038578616
9544	-122.360	37.717	1931.981	2088707.082	6023734.021	0	RS-700	-1.35861283019
9545	-122.360	37.717	1968.803	2088708.800	6023731.914	0	RS-700	-1.12702383648
9546	-122.360	37.717	2043.725	2088710.443	6023729.864	0	RS-700	-0.65581767296
9547	-122.360	37.717	2046.733	2088712.085	6023727.872	0	RS-700	-0.63689691824
9548	-122.360	37.717	2050.629	2088713.579	6023725.992	0	RS-700	-0.61239490566
9549	-122.360	37.717	2045.932	2088714.922	6023724.370	0	RS-700	-0.64193729560
9550	-122.360	37.717	1987.206	2088715.970	6023722.944	0	RS-700	-1.01128075472
9551	-122.360	37.717	2060.631	2088716.868	6023721.776	0	RS-700	-0.54948867925
9552	-122.360	37.717	2015.625	2088717.758	6023720.954	0	RS-700	-0.83254962264
9553	-122.360	37.717	2069.428	2088718.383	6023720.677	0	RS-700	-0.49416452830
9554	-122.360	37.717	2034.032	2088718.639	6023720.596	0	RS-700	-0.71678238994
9555	-122.360	37.717	2076.040	2088719.408	6023720.408	0	RS-700	-0.45257761006
9556	-122.360	37.717	2057.939	2088720.579	6023720.113	0	RS-700	-0.56642163522
9557	-122.360	37.717	2057.634	2088722.199	6023719.249	0	RS-700	-0.56833987421
9558	-122.360	37.717	2124.972	2088723.605	6023718.091	0	RS-700	-0.14483150943
9559	-122.360	37.717	2142.336	2088724.727	6023716.637	0	RS-700	-0.03562044025
9560	-122.360	37.717	2059.732	2088725.144	6023715.807	0	RS-700	-0.55514308176
9561	-122.360	37.717	2049.838	2088725.649	6023714.226	0	RS-700	-0.61737150943
9562	-122.360	37.717	1989.210	2088726.051	6023712.295	0	RS-700	-0.99867842767
9563	-122.360	37.717	2050.631	2088726.079	6023710.907	0	RS-700	-0.61238213837
9564	-122.360	37.717	2038.243	2088726.194	6023710.620	0	RS-700	-0.69029660377
9565	-122.360	37.717	2027.827	2088726.423	6023710.104	0	RS-700	-0.75580679245
9566	-122.360	37.717	1982.915	2088726.882	6023708.985	0	RS-700	-1.03826842767
9567	-122.360	37.717	2014.803	2088727.114	6023708.295	0	RS-700	-0.83771937107
9568	-122.360	37.717	2046.830	2088727.642	6023707.409	0	RS-700	-0.63628842767
9569	-122.360	37.717	2019.031	2088728.316	6023706.467	0	RS-700	-0.81112465409
9570	-122.360	37.717	1896.066	2088728.990	6023705.526	0	RS-700	-1.58449138365
9571	-122.360	37.717	2003.515	2088730.412	6023703.645	0	RS-700	-0.90870761006
9572	-122.360	37.717	1882.379	2088731.906	6023701.736	0	RS-700	-1.67057100629
9573	-122.360	37.717	1972.817	2088733.406	6023699.596	0	RS-700	-1.10178201258
9574	-122.360	37.717	2033.837	2088734.314	6023697.878	0	RS-700	-0.71800867925
9575	-122.360	37.717	1756.447	2088735.342	6023695.613	0	RS-700	-2.46259974843
9576	-122.360	37.717	1571.234	2088736.837	6023693.676	0	RS-700	-3.62745729560
9577	-122.360	37.717	1597.078	2088737.854	6023691.989	0	RS-700	-3.46491515723
9578	-122.360	37.717	1579.327	2088739.351	6023689.965	0	RS-700	-3.57655716981
9579	-122.360	37.717	1854.463	2088741.063	6023688.147	0	RS-700	-1.84614647799
9580	-122.360	37.717	1933.984	2088742.561	6023686.036	0	RS-700	-1.34601358491
9581	-122.360	37.717	1988.206	2088744.207	6023683.841	0	RS-700	-1.00499220126
9582	-122.360	37.717	2002.513	2088745.592	6023681.988	0	RS-700	-0.91501138365
9583	-122.360	37.717	1958.406	2088746.640	6023680.563	0	RS-700	-1.19241597484
9584	-122.360	37.717	1925.492	2088747.620	6023678.875	0	RS-700	-1.39941981132

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9585	-122.360	37.717	2008.617	2088749.152	6023676.938	0	RS-700	-0.87662157233
9586	-122.360	37.717	1990.909	2088750.498	6023675.171	0	RS-700	-0.98799320755
9587	-122.360	37.717	2046.424	2088752.287	6023673.124	0	RS-700	-0.63884503145
9588	-122.360	37.717	1918.780	2088754.041	6023671.018	0	RS-700	-1.44163566038
9589	-122.360	37.717	1990.113	2088755.761	6023668.738	0	RS-700	-0.99300270440
9590	-122.360	37.717	1746.286	2088757.553	6023666.546	0	RS-700	-2.52650207547
9591	-122.360	37.717	1994.516	2088759.381	6023664.354	0	RS-700	-0.96530515723
9592	-122.360	37.717	2173.450	2088761.065	6023662.073	0	RS-700	0.16006182390
9593	-122.360	37.717	2126.079	2088762.713	6023659.792	0	RS-700	-0.13787031447
9594	-122.360	37.717	2137.975	2088764.473	6023657.368	0	RS-700	-0.06304767296
9595	-122.360	37.717	2097.958	2088766.195	6023655.030	0	RS-700	-0.31472987421
9596	-122.360	37.717	2031.824	2088768.240	6023652.900	0	RS-700	-0.73066534591
9597	-122.360	37.717	2015.031	2088769.665	6023650.817	0	RS-700	-0.83628113208
9598	-122.360	37.717	2007.826	2088770.532	6023649.330	0	RS-700	-0.88159874214
9599	-122.360	37.717	2126.080	2088771.914	6023647.621	0	RS-700	-0.13786132076
9600	-122.360	37.717	2123.756	2088773.518	6023645.715	0	RS-700	-0.15247522013
9601	-122.360	37.717	1959.703	2088775.237	6023643.492	0	RS-700	-1.18425698113
9602	-122.360	37.717	2032.127	2088776.987	6023641.560	0	RS-700	-0.72875968554
9603	-122.360	37.717	2096.527	2088778.669	6023639.424	0	RS-700	-0.32373188679
9604	-122.360	37.717	2136.877	2088780.206	6023637.227	0	RS-700	-0.06995377358
9605	-122.360	37.717	2024.823	2088781.887	6023635.090	0	RS-700	-0.77469899371
9606	-122.360	37.717	2117.121	2088783.639	6023633.071	0	RS-700	-0.19420528302
9607	-122.360	37.717	2012.820	2088785.176	6023630.845	0	RS-700	-0.85018716981
9608	-122.360	37.717	2063.426	2088786.715	6023628.561	0	RS-700	-0.53191226415
9609	-122.360	37.717	2091.279	2088788.324	6023626.365	0	RS-700	-0.35673364780
9610	-122.360	37.717	1993.907	2088790.080	6023624.144	0	RS-700	-0.96913792453
9611	-122.360	37.717	2052.249	2088791.836	6023621.951	0	RS-700	-0.60220899371
9612	-122.360	37.717	2002.815	2088793.516	6023619.872	0	RS-700	-0.91311566038
9613	-122.360	37.717	2052.731	2088795.196	6023617.794	0	RS-700	-0.59917528302
9614	-122.360	37.717	2086.541	2088796.844	6023615.483	0	RS-700	-0.38653672956
9615	-122.360	37.717	2029.526	2088798.638	6023613.205	0	RS-700	-0.74511867925
9616	-122.360	37.717	2036.237	2088800.466	6023611.013	0	RS-700	-0.70291037736
9617	-122.360	37.717	2140.875	2088802.297	6023608.648	0	RS-700	-0.04481415094
9618	-122.360	37.717	2068.053	2088804.052	6023606.485	0	RS-700	-0.50281094340
9619	-122.360	37.717	2026.731	2088805.771	6023604.291	0	RS-700	-0.76269584906
9620	-122.360	37.717	2003.112	2088807.491	6023602.040	0	RS-700	-0.91124761006
9621	-122.360	37.717	1971.809	2088809.065	6023599.815	0	RS-700	-1.10811962264
9622	-122.360	37.717	2129.550	2088810.639	6023597.560	0	RS-700	-0.11603465409
9623	-122.360	37.717	1983.817	2088812.359	6023595.338	0	RS-700	-1.03260062893
9624	-122.360	37.717	2028.218	2088813.935	6023592.997	0	RS-700	-0.75334899371
9625	-122.360	37.717	2051.941	2088815.618	6023590.774	0	RS-700	-0.60414383648
9626	-122.360	37.717	2086.538	2088817.300	6023588.609	0	RS-700	-0.38655654088
9627	-122.360	37.717	2102.845	2088818.983	6023586.385	0	RS-700	-0.28399610063
9628	-122.360	37.717	2073.443	2088820.590	6023584.334	0	RS-700	-0.46891113208
9629	-122.360	37.717	2141.411	2088822.196	6023582.283	0	RS-700	-0.04144283019

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9630	-122.360	37.717	2127.762	2088823.691	6023580.375	0	RS-700	-0.12728358491
9631	-122.360	37.717	2040.529	2088824.960	6023578.809	0	RS-700	-0.67591553459
9632	-122.360	37.717	2112.663	2088826.180	6023577.907	0	RS-700	-0.22224220126
9633	-122.360	37.717	2139.873	2088827.389	6023577.555	0	RS-700	-0.05111522013
9634	-122.360	37.717	2138.871	2088828.522	6023577.375	0	RS-700	-0.05741283019
9635	-122.360	37.717	2035.424	2088829.951	6023576.941	0	RS-700	-0.70802446541
9636	-122.360	37.717	2063.947	2088831.346	6023576.361	0	RS-700	-0.52863591195
9637	-122.360	37.717	2060.439	2088832.494	6023575.429	0	RS-700	-0.55069716981
9638	-122.360	37.717	2080.160	2088833.211	6023574.141	0	RS-700	-0.42666490566
9639	-122.360	37.717	2063.533	2088833.494	6023572.729	0	RS-700	-0.53124075472
9640	-122.360	37.717	2133.658	2088833.634	6023571.199	0	RS-700	-0.09019993711
9641	-122.360	37.717	2067.631	2088833.703	6023569.551	0	RS-700	-0.50546377359
9642	-122.360	37.717	2107.377	2088833.363	6023568.329	0	RS-700	-0.25549106918
9643	-122.360	37.717	2144.874	2088833.428	6023566.913	0	RS-700	-0.01965968553
9644	-122.360	37.717	2165.776	2088834.114	6023565.364	0	RS-700	0.11180100629
9645	-122.360	37.717	2038.528	2088835.460	6023563.598	0	RS-700	-0.68850578616
9646	-122.360	37.717	2031.128	2088837.031	6023561.546	0	RS-700	-0.73504553459
9647	-122.360	37.717	1977.110	2088838.715	6023559.265	0	RS-700	-1.07478289308
9648	-122.361	37.717	2209.004	2088840.545	6023556.958	0	RS-700	0.38367327044
9649	-122.361	37.717	2060.640	2088842.449	6023554.623	0	RS-700	-0.54943528302
9650	-122.361	37.717	1724.677	2088844.171	6023552.285	0	RS-700	-2.66241000000
9651	-122.361	37.717	1539.104	2088845.817	6023550.062	0	RS-700	-3.82953157233
9652	-122.361	37.717	1610.240	2088847.536	6023547.897	0	RS-700	-3.38213534591
9653	-122.361	37.717	2040.822	2088849.399	6023545.764	0	RS-700	-0.67407540881
9654	-122.361	37.717	2127.187	2088851.190	6023543.601	0	RS-700	-0.13090056604
9655	-122.361	37.717	2043.833	2088852.946	6023541.379	0	RS-700	-0.65513830189
9656	-122.361	37.717	2175.992	2088854.631	6023539.070	0	RS-700	0.17604729560
9657	-122.361	37.717	2115.746	2088856.535	6023536.735	0	RS-700	-0.20285723270
9658	-122.361	37.717	1995.123	2088858.221	6023534.367	0	RS-700	-0.96148955975
9659	-122.361	37.717	1890.831	2088859.945	6023531.914	0	RS-700	-1.61741553459
9660	-122.361	37.717	2016.126	2088861.669	6023529.431	0	RS-700	-0.82939584906
9661	-122.361	37.717	2039.830	2088863.391	6023527.093	0	RS-700	-0.68031163522
9662	-122.361	37.717	2029.420	2088865.221	6023524.815	0	RS-700	-0.74578509434
9663	-122.361	37.717	2026.826	2088867.014	6023522.565	0	RS-700	-0.76209830189
9664	-122.361	37.717	2063.629	2088868.807	6023520.286	0	RS-700	-0.53063522013
9665	-122.361	37.717	2031.524	2088870.417	6023518.091	0	RS-700	-0.73255509434
9666	-122.361	37.717	2113.971	2088872.025	6023515.982	0	RS-700	-0.21401830189
9667	-122.361	37.717	1999.917	2088873.373	6023514.099	0	RS-700	-0.93133792453
9668	-122.361	37.717	1816.194	2088874.568	6023512.619	0	RS-700	-2.08683295597
9669	-122.361	37.717	1870.671	2088875.130	6023511.849	0	RS-700	-1.74420647799
9670	-122.361	37.717	1955.894	2088875.614	6023511.280	0	RS-700	-1.20821396226
9671	-122.361	37.717	2131.762	2088876.288	6023510.396	0	RS-700	-0.10212490566
9672	-122.361	37.717	2125.429	2088876.884	6023509.714	0	RS-700	-0.14195320755
9673	-122.361	37.717	2214.556	2088877.654	6023507.588	0	RS-700	0.41859188679
9674	-122.361	37.717	2175.858	2088877.964	6023504.846	0	RS-700	0.17520742138

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9675	-122.361	37.717	2165.447	2088877.960	6023503.197	0	RS-700	0.10972899371
9676	-122.361	37.717	2093.272	2088878.014	6023502.330	0	RS-700	-0.34420339623
9677	-122.361	37.717	2129.173	2088877.819	6023501.169	0	RS-700	-0.11841119497
9678	-122.361	37.717	2110.973	2088877.961	6023501.345	0	RS-700	-0.23287654088
9679	-122.361	37.717	2127.541	2088878.603	6023502.023	0	RS-700	-0.12867062893
9680	-122.361	37.717	2165.209	2088879.971	6023502.803	0	RS-700	0.10823389937
9681	-122.361	37.717	2215.236	2088880.869	6023503.428	0	RS-700	0.42286792453
9682	-122.361	37.717	2140.550	2088882.836	6023503.438	0	RS-700	-0.04685496855
9683	-122.361	37.717	2177.769	2088881.435	6023502.456	0	RS-700	0.18722710692
9684	-122.361	37.717	2166.449	2088877.116	6023501.705	0	RS-700	0.11603213837
9685	-122.361	37.717	2086.370	2088875.246	6023502.333	0	RS-700	-0.38760968554
9686	-122.361	37.717	2010.211	2088873.806	6023503.346	0	RS-700	-0.86659981132
9687	-122.361	37.717	2051.734	2088872.867	6023504.774	0	RS-700	-0.60544905660
9688	-122.361	37.717	2054.235	2088872.841	6023506.075	0	RS-700	-0.58971761006
9689	-122.361	37.717	1992.819	2088872.857	6023507.088	0	RS-700	-0.97598264151
9690	-122.361	37.717	2098.852	2088872.780	6023507.318	0	RS-700	-0.30910811321
9691	-122.361	37.717	2138.977	2088872.889	6023507.291	0	RS-700	-0.05674679245
9692	-122.361	37.717	2104.856	2088872.889	6023507.291	0	RS-700	-0.27134559748
9693	-122.361	37.717	2097.064	2088872.853	6023507.319	0	RS-700	-0.32034981132
9694	-122.361	37.717	2093.062	2088872.816	6023507.347	0	RS-700	-0.34552169811
9695	-122.361	37.717	2111.755	2088872.816	6023507.318	0	RS-700	-0.22795622642
9696	-122.361	37.717	2028.028	2088872.743	6023507.317	0	RS-700	-0.75453924528
9697	-122.361	37.717	2093.849	2088872.598	6023507.314	0	RS-700	-0.34057408805
9698	-122.361	37.717	1988.713	2088872.635	6023507.286	0	RS-700	-1.00180742138
9699	-122.361	37.717	2054.746	2088872.635	6023507.286	0	RS-700	-0.58650301887
9700	-122.361	37.717	1920.595	2088872.367	6023507.917	0	RS-700	-1.43021798742
9701	-122.361	37.717	1956.702	2088872.136	6023508.578	0	RS-700	-1.20313150943
9702	-122.361	37.717	2089.959	2088872.441	6023507.890	0	RS-700	-0.36503698113
9703	-122.361	37.717	2049.847	2088872.743	6023507.346	0	RS-700	-0.61731597484
9704	-122.361	37.717	1755.524	2088872.169	6023508.723	0	RS-700	-2.46840389937
9705	-122.361	37.717	1958.405	2088870.598	6023510.833	0	RS-700	-1.19242106918
9706	-122.361	37.717	2017.727	2088869.632	6023511.768	0	RS-700	-0.81932402516
9707	-122.361	37.717	2034.324	2088868.472	6023513.307	0	RS-700	-0.71494578616
9708	-122.361	37.717	2022.521	2088867.042	6023515.651	0	RS-700	-0.78917918239
9709	-122.361	37.717	2029.721	2088865.496	6023518.311	0	RS-700	-0.74389389937
9710	-122.361	37.717	2034.619	2088863.623	6023520.907	0	RS-700	-0.71308591195
9711	-122.361	37.717	2143.990	2088861.682	6023523.298	0	RS-700	-0.02522251572
9712	-122.361	37.717	2047.534	2088859.883	6023525.837	0	RS-700	-0.63186415094
9713	-122.361	37.717	2026.318	2088858.054	6023528.115	0	RS-700	-0.76529817610
9714	-122.361	37.717	2050.629	2088856.187	6023530.392	0	RS-700	-0.61239540881
9715	-122.361	37.717	2098.543	2088854.247	6023532.726	0	RS-700	-0.31105169811
9716	-122.361	37.717	2074.843	2088852.525	6023535.093	0	RS-700	-0.46010773585
9717	-122.361	37.717	2109.437	2088850.620	6023537.457	0	RS-700	-0.24253245283
9718	-122.361	37.717	2105.224	2088848.859	6023539.938	0	RS-700	-0.26903031447
9719	-122.361	37.717	1766.899	2088846.994	6023542.158	0	RS-700	-2.39686144654

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9720	-122.361	37.717	1472.266	2088845.345	6023544.497	0	RS-700	-4.24990050314
9721	-122.361	37.717	1386.316	2088843.699	6023546.692	0	RS-700	-4.79046654088
9722	-122.361	37.717	1789.831	2088841.798	6023548.882	0	RS-700	-2.25263408805
9723	-122.361	37.717	2201.679	2088839.934	6023551.073	0	RS-700	0.33760308176
9724	-122.361	37.717	1981.971	2088838.141	6023553.323	0	RS-700	-1.04420635220
9725	-122.361	37.717	1776.489	2088836.426	6023555.314	0	RS-700	-2.33654452830
9726	-122.360	37.717	2091.849	2088834.673	6023557.391	0	RS-700	-0.35315081761
9727	-122.360	37.717	2061.461	2088832.961	6023559.237	0	RS-700	-0.54426905660
9728	-122.360	37.717	2079.324	2088831.576	6023561.148	0	RS-700	-0.43192503145
9729	-122.360	37.717	2111.985	2088830.336	6023563.033	0	RS-700	-0.22651125786
9730	-122.360	37.717	2145.421	2088829.250	6023564.573	0	RS-700	-0.01621924528
9731	-122.360	37.717	2116.647	2088827.847	6023565.500	0	RS-700	-0.19718584906
9732	-122.360	37.717	2089.642	2088826.823	6023565.740	0	RS-700	-0.36702974843
9733	-122.360	37.717	2057.633	2088825.616	6023566.006	0	RS-700	-0.56834352201
9734	-122.360	37.717	2129.079	2088824.147	6023566.613	0	RS-700	-0.11899698113
9735	-122.360	37.717	2092.651	2088822.742	6023567.684	0	RS-700	-0.34810918239
9736	-122.360	37.717	2111.643	2088821.802	6023569.141	0	RS-700	-0.22866088050
9737	-122.360	37.717	2072.845	2088821.372	6023570.608	0	RS-700	-0.47267289308
9738	-122.360	37.717	2143.874	2088821.458	6023571.796	0	RS-700	-0.02594893082
9739	-122.360	37.717	2058.943	2088821.835	6023572.961	0	RS-700	-0.56010974843
9740	-122.360	37.717	2045.343	2088821.995	6023574.092	0	RS-700	-0.64564056604
9741	-122.360	37.717	2124.078	2088821.672	6023575.706	0	RS-700	-0.15045402516
9742	-122.360	37.717	2115.760	2088820.847	6023576.904	0	RS-700	-0.20276811321
9743	-122.360	37.717	2003.116	2088819.589	6023577.892	0	RS-700	-0.91121836478
9744	-122.360	37.717	2133.765	2088817.989	6023579.596	0	RS-700	-0.08953031447
9745	-122.360	37.717	2037.832	2088816.200	6023581.643	0	RS-700	-0.69287792453
9746	-122.360	37.717	2059.836	2088814.297	6023583.949	0	RS-700	-0.55448924528
9747	-122.360	37.717	2035.034	2088812.429	6023586.313	0	RS-700	-0.71047974843
9748	-122.360	37.717	2008.820	2088810.634	6023588.650	0	RS-700	-0.87534352201
9749	-122.360	37.717	2000.616	2088808.915	6023590.872	0	RS-700	-0.92694440252
9750	-122.360	37.717	2057.719	2088807.302	6023593.212	0	RS-700	-0.56780427673
9751	-122.360	37.717	2009.218	2088805.617	6023595.522	0	RS-700	-0.87284389937
9752	-122.360	37.717	2046.322	2088803.969	6023597.862	0	RS-700	-0.63948371069
9753	-122.360	37.717	2099.381	2088802.209	6023600.257	0	RS-700	-0.30577974843
9754	-122.360	37.717	2093.636	2088800.450	6023602.623	0	RS-700	-0.34191220126
9755	-122.360	37.717	2062.849	2088798.654	6023605.075	0	RS-700	-0.53554389937
9756	-122.360	37.717	2070.637	2088796.785	6023607.497	0	RS-700	-0.48656251572
9757	-122.360	37.717	2233.136	2088794.987	6023609.979	0	RS-700	0.53544767296
9758	-122.360	37.717	2068.860	2088793.154	6023612.430	0	RS-700	-0.49773308176
9759	-122.360	37.717	2019.921	2088791.286	6023614.794	0	RS-700	-0.80552660377
9760	-122.360	37.717	1982.808	2088789.453	6023617.217	0	RS-700	-1.03894295597
9761	-122.360	37.717	1961.506	2088787.692	6023619.728	0	RS-700	-1.17291886792
9762	-122.360	37.717	1994.514	2088785.895	6023622.180	0	RS-700	-0.96532333333
9763	-122.360	37.717	2106.864	2088784.060	6023624.689	0	RS-700	-0.25871415094
9764	-122.360	37.717	2003.725	2088782.225	6023627.228	0	RS-700	-0.90738710692



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9765	-122.360	37.717	2001.707	2088782.935	6023630.019	0	RS-700	-0.92008446541
9766	-122.360	37.717	2034.625	2088781.065	6023632.441	0	RS-700	-0.71304767296
9767	-122.360	37.717	2054.630	2088779.198	6023634.805	0	RS-700	-0.58722968554
9768	-122.360	37.717	2036.624	2088777.256	6023637.197	0	RS-700	-0.70047792453
9769	-122.360	37.717	2114.334	2088775.423	6023639.648	0	RS-700	-0.21173591195
9770	-122.360	37.717	1982.204	2088773.342	6023641.719	0	RS-700	-1.04274264151
9771	-122.360	37.717	2047.041	2088771.732	6023643.944	0	RS-700	-0.63496383648
9772	-122.360	37.717	1946.412	2088770.245	6023645.476	0	RS-700	-1.26784767296
9773	-122.360	37.717	2010.327	2088768.829	6023647.068	0	RS-700	-0.86586930818
9774	-122.360	37.717	2106.865	2088767.158	6023648.713	0	RS-700	-0.25871000000
9775	-122.360	37.717	1998.807	2088765.264	6023650.527	0	RS-700	-0.93832339623
9776	-122.360	37.717	2056.350	2088763.875	6023652.640	0	RS-700	-0.57641584906
9777	-122.360	37.717	2149.662	2088762.736	6023654.990	0	RS-700	0.01045188679
9778	-122.360	37.717	2129.667	2088761.019	6023657.068	0	RS-700	-0.11530471698
9779	-122.360	37.717	2016.516	2088758.867	6023659.050	0	RS-700	-0.82694220126
9780	-122.360	37.717	2001.433	2088756.747	6023661.264	0	RS-700	-0.92180698113
9781	-122.360	37.717	2033.426	2088754.842	6023663.657	0	RS-700	-0.72059339623
9782	-122.360	37.717	2011.717	2088752.792	6023666.046	0	RS-700	-0.85712421384
9783	-122.360	37.717	1988.907	2088750.816	6023668.350	0	RS-700	-1.00058578616
9784	-122.360	37.717	1951.896	2088748.804	6023670.625	0	RS-700	-1.23335993711
9785	-122.360	37.717	1971.102	2088746.901	6023672.901	0	RS-700	-1.11256553459
9786	-122.360	37.717	1928.500	2088745.073	6023675.093	0	RS-700	-1.38050553459
9787	-122.360	37.717	2030.727	2088743.209	6023677.254	0	RS-700	-0.73756792453
9788	-122.360	37.717	1902.690	2088741.672	6023679.480	0	RS-700	-1.54282955975
9789	-122.360	37.717	1915.984	2088740.099	6023681.677	0	RS-700	-1.45921993711
9790	-122.360	37.717	1512.313	2088738.851	6023683.966	0	RS-700	-3.99803402516
9791	-122.360	37.717	1168.300	2088737.317	6023686.019	0	RS-700	-6.16163610063
9792	-122.360	37.717	1231.439	2088735.793	6023687.609	0	RS-700	-5.76453207547
9793	-122.360	37.717	1644.191	2088734.048	6023689.252	0	RS-700	-3.16861194969
9794	-122.360	37.717	1959.177	2088733.114	6023690.448	0	RS-700	-1.18756786164
9795	-122.360	37.717	2018.823	2088731.838	6023692.361	0	RS-700	-0.81243509434
9796	-122.360	37.717	1896.064	2088730.489	6023694.273	0	RS-700	-1.58450566038
9797	-122.360	37.717	1764.285	2088728.989	6023696.442	0	RS-700	-2.41330352201
9798	-122.360	37.717	1988.724	2088727.270	6023698.635	0	RS-700	-1.00173622642
9799	-122.360	37.717	1999.555	2088725.653	6023701.207	0	RS-700	-0.93361408805
9800	-122.360	37.717	2110.647	2088724.001	6023703.691	0	RS-700	-0.23492371069
9801	-122.360	37.717	2119.652	2088722.605	6023706.122	0	RS-700	-0.17829238994
9802	-122.360	37.717	1996.915	2088721.366	6023708.007	0	RS-700	-0.95022320755
9803	-122.360	37.717	2056.944	2088720.255	6023708.940	0	RS-700	-0.57268025157
9804	-122.360	37.717	2023.414	2088719.485	6023709.185	0	RS-700	-0.78356044025
9805	-122.360	37.717	2039.241	2088718.424	6023709.424	0	RS-700	-0.68401918239
9806	-122.360	37.717	2062.531	2088717.326	6023709.692	0	RS-700	-0.53754371069
9807	-122.360	37.717	2074.053	2088716.037	6023710.418	0	RS-700	-0.46507301887
9808	-122.360	37.717	2147.637	2088714.919	6023711.698	0	RS-700	-0.00228471698
9809	-122.360	37.717	2088.958	2088714.415	6023713.221	0	RS-700	-0.37133628931

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9810	-122.360	37.717	2066.636	2088714.605	6023714.700	0	RS-700	-0.51172025157
9811	-122.360	37.717	2016.823	2088714.759	6023716.092	0	RS-700	-0.82501169811
9812	-122.360	37.717	2099.752	2088715.017	6023717.746	0	RS-700	-0.30344937107
9813	-122.360	37.717	2034.629	2088715.023	6023719.280	0	RS-700	-0.71302767296
9814	-122.360	37.717	2004.727	2088714.301	6023720.828	0	RS-700	-0.90109069182
9815	-122.360	37.717	2046.946	2088712.844	6023722.650	0	RS-700	-0.63556100629
9816	-122.360	37.717	2072.531	2088711.236	6023724.759	0	RS-700	-0.47464641509
9817	-122.360	37.717	2073.627	2088709.553	6023727.011	0	RS-700	-0.46775207547
9818	-122.360	37.717	1983.311	2088707.798	6023729.175	0	RS-700	-1.03577993711
9819	-122.360	37.717	1949.502	2088706.008	6023731.280	0	RS-700	-1.24841295597
9820	-122.360	37.717	2008.917	2088704.254	6023733.415	0	RS-700	-0.87473283019
9821	-122.360	37.717	2091.645	2088702.533	6023735.696	0	RS-700	-0.35443471698
9822	-122.360	37.716	2082.846	2088700.886	6023737.948	0	RS-700	-0.40977276730
9823	-122.360	37.716	1953.895	2088699.132	6023740.083	0	RS-700	-1.22078364780
9824	-122.360	37.716	1987.008	2088697.343	6023742.131	0	RS-700	-1.01252616352
9825	-122.360	37.716	2005.720	2088695.661	6023744.296	0	RS-700	-0.89484559748
9826	-122.360	37.716	2093.162	2088694.016	6023746.462	0	RS-700	-0.34489496855
9827	-122.360	37.716	1999.415	2088692.227	6023748.481	0	RS-700	-0.93449465409
9828	-122.360	37.716	1969.396	2088690.436	6023750.673	0	RS-700	-1.12329327044
9829	-122.360	37.716	1998.917	2088688.608	6023752.835	0	RS-700	-0.93762974843
9830	-122.360	37.716	2016.522	2088686.893	6023754.826	0	RS-700	-0.82690880503
9831	-122.360	37.716	1997.414	2088685.358	6023756.936	0	RS-700	-0.94707905660
9832	-122.360	37.716	2002.926	2088683.859	6023759.076	0	RS-700	-0.91241559748
9833	-122.360	37.716	2052.147	2088682.140	6023761.299	0	RS-700	-0.60284911950
9834	-122.360	37.716	2123.653	2088680.167	6023763.429	0	RS-700	-0.15312421384
9835	-122.360	37.716	2085.534	2088678.518	6023765.769	0	RS-700	-0.39286761006
9836	-122.360	37.716	2151.665	2088676.614	6023768.132	0	RS-700	0.02304823899
9837	-122.360	37.716	2070.052	2088674.819	6023770.469	0	RS-700	-0.49024088050
9838	-122.360	37.716	2040.423	2088673.240	6023772.984	0	RS-700	-0.67658635220
9839	-122.360	37.716	2072.156	2088671.447	6023775.205	0	RS-700	-0.47700320755
9840	-122.360	37.716	2161.891	2088669.580	6023777.540	0	RS-700	-0.10002639296
9841	-122.360	37.716	2404.855	2088667.929	6023779.966	0	RS-700	0.61247903226
9842	-122.360	37.716	2451.005	2088666.142	6023781.927	0	RS-700	0.74781554252
9843	-122.360	37.716	1998.313	2088664.649	6023783.749	0	RS-700	-0.57972771261
9844	-122.360	37.716	1615.094	2088662.973	6023785.654	0	RS-700	-1.70353782991
9845	-122.360	37.716	2217.903	2088661.110	6023787.729	0	RS-700	0.06423266862
9846	-122.360	37.716	2517.013	2088659.209	6023789.947	0	RS-700	0.94138680352
9847	-122.360	37.716	2274.814	2088657.782	6023792.089	0	RS-700	0.23112527859
9848	-122.360	37.716	2039.942	2088655.966	6023793.673	0	RS-700	-0.67961025157
9849	-122.360	37.716	2070.536	2088653.841	6023794.325	0	RS-700	-0.48719509434
9850	-122.360	37.716	2009.517	2088651.885	6023793.794	0	RS-700	-0.87095981132
9851	-122.360	37.716	1994.414	2088650.632	6023792.699	0	RS-700	-0.96595245283
9852	-122.360	37.716	2098.646	2088650.732	6023793.164	0	RS-700	-0.31040232704
9853	-122.360	37.716	2052.934	2088651.015	6023795.426	0	RS-700	-0.59790245283
9854	-122.360	37.716	2016.722	2088650.530	6023797.847	0	RS-700	-0.82564861635

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9855	-122.360	37.716	2105.975	2088649.697	6023799.421	0	RS-700	-0.26430654088
9856	-122.360	37.716	2042.245	2088649.169	6023800.336	0	RS-700	-0.66512616352
9857	-122.360	37.716	2113.754	2088649.662	6023799.392	0	RS-700	-0.21538603774
9858	-122.360	37.716	2008.419	2088651.023	6023796.873	0	RS-700	-0.87786591195
9859	-122.360	37.716	2174.999	2088652.570	6023794.155	0	RS-700	0.16980761006
9860	-122.360	37.716	2423.471	2088654.373	6023791.385	0	RS-700	1.73251974843
9861	-122.360	37.716	2637.603	2088656.098	6023788.902	0	RS-700	1.29502325513
9862	-122.360	37.716	2183.891	2088657.595	6023786.878	0	RS-700	-0.03551005865
9863	-122.360	37.716	1543.791	2088658.876	6023784.733	0	RS-700	-1.91263604106
9864	-122.360	37.716	2154.553	2088660.559	6023782.481	0	RS-700	-0.12154442815
9865	-122.360	37.716	2489.764	2088662.246	6023780.056	0	RS-700	0.86147876833
9866	-122.360	37.716	2197.783	2088664.305	6023777.261	0	RS-700	0.00522882698
9867	-122.360	37.716	2109.227	2088666.222	6023774.262	0	RS-700	-0.24385716981
9868	-122.360	37.716	2105.172	2088668.206	6023771.553	0	RS-700	-0.26935779874
9869	-122.360	37.716	2078.857	2088670.145	6023769.248	0	RS-700	-0.43486264151
9870	-122.360	37.716	2033.519	2088672.049	6023766.913	0	RS-700	-0.72000610063
9871	-122.360	37.716	2132.336	2088673.876	6023764.780	0	RS-700	-0.09851842767
9872	-122.360	37.716	2131.863	2088675.482	6023762.787	0	RS-700	-0.10149364780
9873	-122.360	37.716	2051.132	2088677.164	6023760.592	0	RS-700	-0.60923295598
9874	-122.360	37.716	2018.722	2088678.850	6023758.254	0	RS-700	-0.81306823899
9875	-122.360	37.716	1974.417	2088680.787	6023756.036	0	RS-700	-1.09171477987
9876	-122.360	37.716	2118.758	2088682.797	6023753.848	0	RS-700	-0.18391465409
9877	-122.360	37.716	2039.529	2088684.590	6023751.598	0	RS-700	-0.68220761006
9878	-122.360	37.716	2030.419	2088686.348	6023749.261	0	RS-700	-0.73950056604
9879	-122.360	37.716	2021.623	2088688.070	6023746.951	0	RS-700	-0.79482522013
9880	-122.360	37.716	2000.510	2088689.791	6023744.642	0	RS-700	-0.92760849057
9881	-122.360	37.716	1973.702	2088691.475	6023742.361	0	RS-700	-1.09621534591
9882	-122.360	37.716	1995.902	2088693.341	6023740.113	0	RS-700	-0.95658955975
9883	-122.360	37.716	1984.004	2088695.241	6023737.952	0	RS-700	-1.03141918239
9884	-122.360	37.716	1992.812	2088692.567	6023736.915	0	RS-700	-0.97602773585
9885	-122.360	37.716	1991.813	2088694.322	6023734.722	0	RS-700	-0.98230981132
9886	-122.360	37.716	2039.154	2088696.044	6023732.384	0	RS-700	-0.68456503145
9887	-122.360	37.716	1934.898	2088697.764	6023730.133	0	RS-700	-1.34026213836
9888	-122.360	37.716	1988.008	2088699.555	6023727.941	0	RS-700	-1.00624025157
9889	-122.360	37.716	1996.921	2088701.418	6023725.837	0	RS-700	-0.95018238994
9890	-122.360	37.717	2098.960	2088703.100	6023723.672	0	RS-700	-0.30843012579
9891	-122.360	37.717	1973.116	2088704.852	6023721.624	0	RS-700	-1.09989767296
9892	-122.360	37.717	1982.212	2088706.605	6023719.546	0	RS-700	-1.04268937107
9893	-122.360	37.717	2100.751	2088708.174	6023717.581	0	RS-700	-0.29716578616
9894	-122.360	37.717	2116.548	2088709.633	6023715.614	0	RS-700	-0.19780974843
9895	-122.360	37.717	2195.778	2088711.093	6023713.618	0	RS-700	0.30048974843
9896	-122.360	37.717	2089.748	2088712.369	6023711.763	0	RS-700	-0.36636635220
9897	-122.360	37.717	2080.328	2088713.611	6023709.734	0	RS-700	-0.42560918239
9898	-122.360	37.717	2022.133	2088715.434	6023707.803	0	RS-700	-0.79161798742
9899	-122.360	37.717	1976.605	2088717.405	6023705.730	0	RS-700	-1.07795289308

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9900	-122.360	37.717	2024.619	2088719.379	6023703.512	0	RS-700	-0.77597811321
9901	-122.360	37.717	2062.248	2088721.389	6023701.325	0	RS-700	-0.53931786164
9902	-122.360	37.717	1831.018	2088723.249	6023699.394	0	RS-700	-1.99359849057
9903	-122.360	37.717	1821.636	2088724.743	6023697.486	0	RS-700	-2.05260106918
9904	-122.360	37.717	2010.929	2088726.388	6023695.378	0	RS-700	-0.86208194969
9905	-122.360	37.717	1934.993	2088727.711	6023692.945	0	RS-700	-1.33966553459
9906	-122.360	37.717	1367.218	2088729.030	6023690.714	0	RS-700	-4.91057716981
9907	-122.360	37.717	1034.333	2088730.158	6023688.914	0	RS-700	-7.00419238994
9908	-122.360	37.717	1111.117	2088731.179	6023687.025	0	RS-700	-6.52127698113
9909	-122.360	37.717	1771.074	2088732.488	6023685.286	0	RS-700	-2.37060553459
9910	-122.360	37.717	1952.415	2088734.277	6023683.239	0	RS-700	-1.23009584906
9911	-122.360	37.717	1985.930	2088735.633	6023680.980	0	RS-700	-1.01930540881
9912	-122.360	37.717	2037.630	2088736.718	6023679.555	0	RS-700	-0.69415094340
9913	-122.360	37.717	1945.599	2088738.119	6023676.835	0	RS-700	-1.27296270440
9914	-122.360	37.717	2034.624	2088739.689	6023674.783	0	RS-700	-0.71305867925
9915	-122.360	37.717	2011.318	2088741.263	6023672.558	0	RS-700	-0.85963396226
9916	-122.360	37.717	2020.530	2088742.947	6023670.277	0	RS-700	-0.80170075472
9917	-122.360	37.717	1926.695	2088744.882	6023668.232	0	RS-700	-1.39185817610
9918	-122.360	37.717	1959.796	2088746.890	6023666.131	0	RS-700	-1.18367459119
9919	-122.360	37.717	2066.016	2088748.829	6023663.884	0	RS-700	-0.51562459120
9920	-122.360	37.717	2041.036	2088750.804	6023661.609	0	RS-700	-0.67273270440
9921	-122.360	37.717	1944.306	2088752.781	6023659.247	0	RS-700	-1.28109471698
9922	-122.360	37.717	1986.800	2088754.686	6023656.884	0	RS-700	-1.01383503145
9923	-122.360	37.717	2069.944	2088756.628	6023654.434	0	RS-700	-0.49091905660
9924	-122.360	37.717	1998.616	2088758.496	6023652.070	0	RS-700	-0.93952490566
9925	-122.360	37.717	2057.526	2088760.290	6023649.792	0	RS-700	-0.56901647799
9926	-122.360	37.717	1940.887	2088762.049	6023647.396	0	RS-700	-1.30259710692
9927	-122.360	37.717	1976.095	2088763.735	6023645.029	0	RS-700	-1.08116050314
9928	-122.360	37.717	2091.850	2088765.530	6023642.634	0	RS-700	-0.35314232704
9929	-122.360	37.717	2004.918	2088767.289	6023640.268	0	RS-700	-0.89988779874
9930	-122.360	37.717	2065.538	2088769.118	6023638.048	0	RS-700	-0.51863081761
9931	-122.360	37.717	2002.617	2088771.055	6023635.858	0	RS-700	-0.91435584906
9932	-122.360	37.717	2060.737	2088772.883	6023633.696	0	RS-700	-0.54882522013
9933	-122.360	37.717	2017.623	2088774.749	6023631.390	0	RS-700	-0.81997955975
9934	-122.360	37.717	2072.633	2088776.545	6023628.995	0	RS-700	-0.47400691824
9935	-122.360	37.717	2025.620	2088778.489	6023626.488	0	RS-700	-0.76968616352
9936	-122.360	37.717	2077.324	2088780.322	6023624.037	0	RS-700	-0.44450352201
9937	-122.360	37.717	2078.328	2088781.896	6023621.811	0	RS-700	-0.43818628931
9938	-122.360	37.717	2054.042	2088783.504	6023619.702	0	RS-700	-0.59092823899
9939	-122.360	37.717	2072.845	2088785.261	6023617.423	0	RS-700	-0.47267358491
9940	-122.360	37.717	2070.532	2088786.981	6023615.172	0	RS-700	-0.48721817610
9941	-122.360	37.717	2068.430	2088788.663	6023612.977	0	RS-700	-0.50044069182
9942	-122.360	37.717	2043.934	2088790.346	6023610.783	0	RS-700	-0.65450477987
9943	-122.360	37.717	2100.941	2088792.176	6023608.505	0	RS-700	-0.29596930818
9944	-122.360	37.717	2197.903	2088793.970	6023606.197	0	RS-700	0.31385635220

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9945	-122.360	37.717	2034.239	2088795.872	6023603.921	0	RS-700	-0.71547949686
9946	-122.360	37.717	1994.107	2088797.814	6023601.500	0	RS-700	-0.96787886793
9947	-122.360	37.717	1993.122	2088799.754	6023599.167	0	RS-700	-0.97407798742
9948	-122.360	37.717	1923.877	2088801.658	6023596.832	0	RS-700	-1.40957779874
9949	-122.360	37.717	2050.147	2088803.600	6023594.440	0	RS-700	-0.61542792453
9950	-122.360	37.717	2074.948	2088805.358	6023592.103	0	RS-700	-0.45944402516
9951	-122.360	37.717	2001.518	2088807.223	6023589.855	0	RS-700	-0.92127251572
9952	-122.360	37.717	2028.116	2088809.125	6023587.636	0	RS-700	-0.75398779874
9953	-122.360	37.717	1985.612	2088810.952	6023585.502	0	RS-700	-1.02130698113
9954	-122.360	37.717	2054.044	2088812.559	6023583.423	0	RS-700	-0.59091968554
9955	-122.360	37.717	2132.443	2088814.166	6023581.343	0	RS-700	-0.09784188679
9956	-122.360	37.717	2113.650	2088815.807	6023579.408	0	RS-700	-0.21603515723
9957	-122.360	37.717	2097.380	2088817.554	6023577.649	0	RS-700	-0.31836748428
9958	-122.360	37.717	2103.857	2088818.637	6023576.282	0	RS-700	-0.27762761006
9959	-122.360	37.717	2056.349	2088818.937	6023574.031	0	RS-700	-0.57642308176
9960	-122.360	37.717	2049.147	2088819.511	6023570.831	0	RS-700	-0.62171566038
9961	-122.360	37.717	2077.324	2088820.730	6023568.136	0	RS-700	-0.44450094340
9962	-122.360	37.717	2064.048	2088822.672	6023565.687	0	RS-700	-0.52799742138
9963	-122.360	37.717	2109.337	2088824.684	6023563.412	0	RS-700	-0.24316622642
9964	-122.360	37.717	2110.754	2088826.732	6023561.139	0	RS-700	-0.23425314465
9965	-122.360	37.717	2096.747	2088828.635	6023558.833	0	RS-700	-0.32234553459
9966	-122.361	37.717	1934.509	2088830.462	6023556.700	0	RS-700	-1.34271238994
9967	-122.361	37.717	1948.796	2088832.180	6023554.564	0	RS-700	-1.25285591195
9968	-122.361	37.717	2218.459	2088833.935	6023552.371	0	RS-700	0.44313723270
9969	-122.361	37.717	1937.888	2088835.655	6023550.120	0	RS-700	-1.32145754717
9970	-122.361	37.717	1256.134	2088837.375	6023547.869	0	RS-700	-5.60922314465
9971	-122.361	37.717	1109.118	2088839.058	6023545.674	0	RS-700	-6.53384748428
9972	-122.361	37.717	1768.804	2088840.737	6023543.654	0	RS-700	-2.38487773585
9973	-122.361	37.717	1988.917	2088842.815	6023541.699	0	RS-700	-1.00052037736
9974	-122.361	37.717	2129.765	2088844.712	6023539.711	0	RS-700	-0.11468477987
9975	-122.361	37.717	2114.769	2088846.755	6023537.727	0	RS-700	-0.20900163522
9976	-122.361	37.717	1989.615	2088848.402	6023535.474	0	RS-700	-0.99613484277
9977	-122.361	37.717	2089.591	2088850.339	6023533.285	0	RS-700	-0.36734937107
9978	-122.361	37.717	2014.325	2088852.205	6023531.037	0	RS-700	-0.84072528302
9979	-122.361	37.717	2076.121	2088854.103	6023528.962	0	RS-700	-0.45207006289
9980	-122.361	37.717	2003.719	2088855.748	6023526.825	0	RS-700	-0.90742509434
9981	-122.361	37.717	2128.974	2088857.501	6023524.748	0	RS-700	-0.11966169811
9982	-122.361	37.717	2089.740	2088859.290	6023522.730	0	RS-700	-0.36641289308
9983	-122.361	37.717	2091.149	2088861.079	6023520.653	0	RS-700	-0.35755660377
9984	-122.361	37.717	1966.802	2088862.721	6023518.661	0	RS-700	-1.13961276730
9985	-122.361	37.717	2038.451	2088864.328	6023516.610	0	RS-700	-0.68898710692
9986	-122.361	37.717	1992.710	2088865.864	6023514.442	0	RS-700	-0.97666974843
9987	-122.361	37.717	1952.503	2088867.362	6023512.388	0	RS-700	-1.22954176101
9988	-122.361	37.717	1818.472	2088868.678	6023510.274	0	RS-700	-2.07250371069
9989	-122.361	37.717	2091.748	2088870.137	6023508.364	0	RS-700	-0.35378849057

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9990	-122.361	37.717	2106.733	2088871.551	6023506.859	0	RS-700	-0.25953893082
9991	-122.361	37.717	2157.878	2088872.180	6023504.500	0	RS-700	0.06212270440
9992	-122.361	37.717	2014.413	2088872.082	6023502.125	0	RS-700	-0.84016679245
9993	-122.361	37.717	2061.429	2088871.915	6023501.341	0	RS-700	-0.54447477987
9994	-122.361	37.717	2165.099	2088872.659	6023502.397	0	RS-700	0.10753823899
9995	-122.361	37.717	2132.297	2088874.605	6023503.448	0	RS-700	-0.09875842767
9996	-122.361	37.717	2174.786	2088877.002	6023503.756	0	RS-700	0.16846352201
9997	-122.361	37.717	2182.110	2088878.977	6023503.333	0	RS-700	0.21452515723
9998	-122.361	37.717	2112.756	2088879.124	6023503.307	0	RS-700	-0.22165968554
9999	-122.361	37.717	2237.907	2088878.175	6023503.404	0	RS-700	0.56545578616
10000	-122.361	37.717	2259.055	2088877.263	6023503.472	0	RS-700	0.69845672956
10001	-122.361	37.717	2127.664	2088876.495	6023503.631	0	RS-700	-0.12789773585
10002	-122.361	37.717	2143.551	2088875.540	6023504.017	0	RS-700	-0.02798194969
10003	-122.361	37.717	2159.665	2088875.503	6023504.045	0	RS-700	0.07336654088
10004	-122.361	37.717	2219.684	2088876.116	6023502.524	0	RS-700	0.45084578616
10005	-122.361	37.717	2130.404	2088876.955	6023500.660	0	RS-700	-0.11066685535
10006	-122.361	37.717	2110.650	2088877.703	6023499.633	0	RS-700	-0.23490559748
10007	-122.361	37.717	2101.860	2088877.363	6023500.263	0	RS-700	-0.29018861635
10008	-122.361	37.717	2174.319	2088876.350	6023501.776	0	RS-700	0.16553100629
10009	-122.361	37.717	2159.779	2088874.608	6023503.275	0	RS-700	0.07408364780
10010	-122.361	37.717	2058.048	2088872.466	6023504.794	0	RS-700	-0.56573773585
10011	-122.361	37.717	2097.653	2088870.476	6023505.970	0	RS-700	-0.31664597484
10012	-122.361	37.717	1806.823	2088868.259	6023507.546	0	RS-700	-2.14576962264
10013	-122.361	37.717	1930.691	2088866.330	6023509.330	0	RS-700	-1.36672213836
10014	-122.361	37.717	2081.749	2088864.874	6023511.124	0	RS-700	-0.41667490566
10015	-122.361	37.717	2061.048	2088863.777	6023513.156	0	RS-700	-0.54686635220
10016	-122.361	37.717	1943.793	2088861.984	6023515.435	0	RS-700	-1.28432188679
10017	-122.361	37.717	2038.936	2088859.933	6023517.824	0	RS-700	-0.68593679245
10018	-122.361	37.717	2093.647	2088857.992	6023520.216	0	RS-700	-0.34184433962
10019	-122.361	37.717	1970.509	2088856.048	6023522.752	0	RS-700	-1.11629314465
10020	-122.361	37.717	2061.635	2088854.285	6023525.350	0	RS-700	-0.54317496855
10021	-122.361	37.717	2021.728	2088852.596	6023527.833	0	RS-700	-0.79416616352
10022	-122.361	37.717	2023.520	2088850.765	6023530.198	0	RS-700	-0.78289113208
10023	-122.361	37.717	2092.542	2088848.966	6023532.737	0	RS-700	-0.34879496855
10024	-122.361	37.717	2102.544	2088847.281	6023535.076	0	RS-700	-0.28588572327
10025	-122.361	37.717	2161.667	2088845.598	6023537.270	0	RS-700	0.08595433962
10026	-122.361	37.717	2073.626	2088843.409	6023539.309	0	RS-700	-0.46775874214
10027	-122.361	37.717	1639.750	2088841.329	6023541.351	0	RS-700	-3.19653981132
10028	-122.361	37.717	855.141	2088843.604	6023542.322	0	RS-700	-8.13119006289
10029	-122.361	37.717	1468.230	2088841.592	6023544.625	0	RS-700	-4.27528226415
10030	-122.361	37.717	2151.662	2088834.634	6023548.393	0	RS-700	0.02302886792
10031	-122.361	37.717	2038.811	2088837.820	6023549.295	0	RS-700	-0.68672547170
10032	-122.361	37.717	1677.453	2088831.302	6023552.955	0	RS-700	-2.95941433962
10033	-122.361	37.717	1917.592	2088829.435	6023555.262	0	RS-700	-1.44910628931
10034	-122.361	37.717	2106.860	2088832.367	6023556.159	0	RS-700	-0.25874025157

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10035	-122.360	37.717	2236.921	2088825.635	6023559.554	0	RS-700	0.55925383648
10036	-122.360	37.717	2070.637	2088823.551	6023561.770	0	RS-700	-0.48655811321
10037	-122.360	37.717	2124.784	2088821.683	6023564.134	0	RS-700	-0.14601025157
10038	-122.360	37.717	2048.136	2088819.849	6023566.614	0	RS-700	-0.62807283019
10039	-122.360	37.717	2009.914	2088817.833	6023569.120	0	RS-700	-0.86846584906
10040	-122.360	37.717	2051.030	2088815.997	6023571.687	0	RS-700	-0.60987245283
10041	-122.360	37.717	2043.442	2088814.091	6023574.137	0	RS-700	-0.65759672956
10042	-122.360	37.717	2038.841	2088812.150	6023576.529	0	RS-700	-0.68653201258
10043	-122.360	37.717	2042.628	2088809.954	6023578.887	0	RS-700	-0.66271641509
10044	-122.360	37.717	2056.052	2088808.120	6023581.396	0	RS-700	-0.57828855346
10045	-122.360	37.717	2085.434	2088806.396	6023583.850	0	RS-700	-0.39349723270
10046	-122.360	37.717	2182.432	2088804.632	6023586.476	0	RS-700	0.21655389937
10047	-122.360	37.717	2021.728	2088802.543	6023588.952	0	RS-700	-0.79416150943
10048	-122.360	37.717	2015.518	2088800.746	6023591.404	0	RS-700	-0.83321767296
10049	-122.360	37.717	2030.729	2088799.060	6023593.772	0	RS-700	-0.73755119497
10050	-122.360	37.717	1965.999	2088797.335	6023596.283	0	RS-700	-1.14466188679
10051	-122.360	37.717	2029.853	2088795.501	6023598.764	0	RS-700	-0.74306138365
10052	-122.360	37.717	2078.054	2088793.595	6023601.243	0	RS-700	-0.43991113208
10053	-122.360	37.717	2072.159	2088791.796	6023603.782	0	RS-700	-0.47698440252
10054	-122.360	37.717	2071.155	2088790.069	6023606.409	0	RS-700	-0.48330106918
10055	-122.360	37.717	2104.098	2088788.124	6023608.945	0	RS-700	-0.27611433962
10056	-122.360	37.717	1979.610	2088786.146	6023611.365	0	RS-700	-1.05905660377
10057	-122.360	37.717	2010.923	2088784.131	6023613.813	0	RS-700	-0.86212000000
10058	-122.360	37.717	1930.594	2088782.185	6023616.407	0	RS-700	-1.36733081761
10059	-122.360	37.717	2001.518	2088780.312	6023619.031	0	RS-700	-0.92127100629
10060	-122.360	37.717	2015.515	2088778.439	6023621.656	0	RS-700	-0.83324182390
10061	-122.360	37.717	2029.829	2088776.678	6023624.167	0	RS-700	-0.74321238994
10062	-122.360	37.717	2027.017	2088774.846	6023626.560	0	RS-700	-0.76089918239
10063	-122.360	37.717	2046.324	2088773.049	6023629.013	0	RS-700	-0.63947289308
10064	-122.360	37.717	1982.907	2088770.998	6023631.431	0	RS-700	-1.03831968553
10065	-122.360	37.717	1994.422	2088769.017	6023633.937	0	RS-700	-0.96589886793
10066	-122.360	37.717	2033.627	2088767.182	6023636.505	0	RS-700	-0.71932767296
10067	-122.360	37.717	2033.627	2088765.311	6023639.042	0	RS-700	-0.71932716981
10068	-122.360	37.717	2070.736	2088763.440	6023641.522	0	RS-700	-0.48593628931
10069	-122.360	37.717	1999.516	2088761.499	6023643.914	0	RS-700	-0.93386213837
10070	-122.360	37.717	2021.622	2088759.665	6023646.423	0	RS-700	-0.79482754717
10071	-122.360	37.717	1992.114	2088757.760	6023648.787	0	RS-700	-0.98041352201
10072	-122.360	37.717	1938.402	2088755.817	6023651.294	0	RS-700	-1.31822440252
10073	-122.360	37.717	2071.467	2088753.762	6023653.886	0	RS-700	-0.48133691824
10074	-122.360	37.717	2006.417	2088751.856	6023656.336	0	RS-700	-0.89045748428
10075	-122.360	37.717	2003.208	2088749.949	6023658.815	0	RS-700	-0.91064283019
10076	-122.360	37.717	1997.022	2088748.003	6023661.467	0	RS-700	-0.94954603774
10077	-122.360	37.717	2055.738	2088746.022	6023664.031	0	RS-700	-0.58026446541
10078	-122.360	37.717	1993.709	2088744.039	6023666.653	0	RS-700	-0.97038182390
10079	-122.360	37.717	2050.326	2088742.132	6023669.161	0	RS-700	-0.61430100629

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10080	-122.360	37.717	2006.923	2088740.333	6023671.700	0	RS-700	-0.88727647799
10081	-122.360	37.717	1907.303	2088738.534	6023674.268	0	RS-700	-1.51381635220
10082	-122.360	37.717	1994.614	2088736.733	6023676.923	0	RS-700	-0.96468874214
10083	-122.360	37.717	1882.582	2088734.970	6023679.521	0	RS-700	-1.66929452830
10084	-122.360	37.717	1763.541	2088732.918	6023681.968	0	RS-700	-2.41798427673
10085	-122.360	37.717	881.095	2088731.122	6023684.420	0	RS-700	-7.96795603774
10086	-122.360	37.717	868.093	2088729.634	6023685.982	0	RS-700	-8.04973025157
10087	-122.360	37.717	1413.428	2088732.792	6023686.507	0	RS-700	-4.61994786164
10088	-122.360	37.717	2001.218	2088726.975	6023689.661	0	RS-700	-0.92315867925
10089	-122.360	37.717	1882.490	2088725.478	6023691.656	0	RS-700	-1.66987389937
10090	-122.360	37.717	1197.498	2088723.287	6023693.812	0	RS-700	-5.97800295597
10091	-122.360	37.717	1535.248	2088721.389	6023695.828	0	RS-700	-3.85378773585
10092	-122.360	37.717	2035.524	2088719.630	6023698.252	0	RS-700	-0.70739773585
10093	-122.360	37.717	1983.717	2088717.840	6023700.357	0	RS-700	-1.03322886792
10094	-122.360	37.717	1994.520	2088715.976	6023702.519	0	RS-700	-0.96528283019
10095	-122.360	37.717	2045.837	2088714.182	6023704.827	0	RS-700	-0.64253672956
10096	-122.360	37.717	2028.321	2088712.391	6023706.990	0	RS-700	-0.75269993711
10097	-122.360	37.717	2023.131	2088710.705	6023709.329	0	RS-700	-0.78533798742
10098	-122.360	37.717	2018.424	2088709.163	6023711.815	0	RS-700	-0.81494496855
10099	-122.360	37.717	2082.645	2088707.440	6023714.211	0	RS-700	-0.41103861635
10100	-122.360	37.717	2004.720	2088709.565	6023715.381	0	RS-700	-0.90113408805
10101	-122.360	37.717	2015.937	2088703.526	6023718.733	0	RS-700	-0.83058245283
10102	-122.360	37.716	1907.788	2088701.656	6023721.184	0	RS-700	-1.51076899371
10103	-122.360	37.716	2051.652	2088699.858	6023723.694	0	RS-700	-0.60595943396
10104	-122.360	37.716	1885.677	2088697.919	6023725.999	0	RS-700	-1.64982874214
10105	-122.360	37.716	2012.925	2088695.941	6023728.390	0	RS-700	-0.84952748428
10106	-122.360	37.716	1995.119	2088693.997	6023730.897	0	RS-700	-0.96151547170
10107	-122.360	37.716	1966.799	2088692.161	6023733.493	0	RS-700	-1.13963075472
10108	-122.360	37.716	1972.907	2088690.216	6023736.058	0	RS-700	-1.10121301887
10109	-122.360	37.716	1996.720	2088688.162	6023738.621	0	RS-700	-0.95144874214
10110	-122.360	37.716	1960.697	2088686.219	6023741.128	0	RS-700	-1.17800748428
10111	-122.360	37.716	1921.883	2088684.277	6023743.520	0	RS-700	-1.42211830189
10112	-122.360	37.716	1982.901	2088682.190	6023745.909	0	RS-700	-1.03836025157
10113	-122.360	37.716	2067.846	2088680.356	6023748.418	0	RS-700	-0.50411578616
10114	-122.360	37.716	2087.758	2088678.485	6023750.927	0	RS-700	-0.37888333333
10115	-122.360	37.716	2057.941	2088676.543	6023753.347	0	RS-700	-0.56640842767
10116	-122.360	37.716	2134.877	2088674.565	6023755.767	0	RS-700	-0.08253534591
10117	-122.360	37.716	2076.848	2088672.621	6023758.274	0	RS-700	-0.44749515723
10118	-122.360	37.716	2106.389	2088670.823	6023760.785	0	RS-700	-0.26170207547
10119	-122.360	37.716	2186.116	2088668.954	6023763.207	0	RS-700	0.23972459120
10120	-122.360	37.716	2118.863	2088667.086	6023765.571	0	RS-700	-0.18325132076
10121	-122.360	37.716	2176.325	2088665.364	6023767.967	0	RS-700	0.17814641509
10122	-122.360	37.716	2126.747	2088663.603	6023770.420	0	RS-700	-0.13366924528
10123	-122.360	37.716	2135.879	2088661.807	6023772.843	0	RS-700	-0.17630903226
10124	-122.360	37.716	2250.375	2088660.047	6023775.267	0	RS-700	0.15945630499



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10125	-122.360	37.716	2521.915	2088658.251	6023777.662	0	RS-700	0.95576313783
10126	-122.360	37.716	2261.371	2088656.717	6023779.714	0	RS-700	0.19170516129
10127	-122.360	37.716	1646.155	2088655.369	6023781.568	0	RS-700	-1.61244762463
10128	-122.360	37.716	1837.652	2088653.724	6023783.734	0	RS-700	-1.05087322581
10129	-122.360	37.716	2523.035	2088652.360	6023786.397	0	RS-700	0.95904621701
10130	-122.360	37.716	2545.050	2088650.723	6023788.130	0	RS-700	2.49716899371
10131	-122.360	37.716	2141.875	2088648.967	6023790.380	0	RS-700	-0.03851974843
10132	-122.360	37.716	2029.625	2088647.182	6023792.225	0	RS-700	-0.74449943396
10133	-122.360	37.716	2047.738	2088645.685	6023794.221	0	RS-700	-0.63058025157
10134	-122.360	37.716	2039.342	2088644.273	6023795.639	0	RS-700	-0.68338100629
10135	-122.360	37.716	2005.110	2088642.584	6023796.329	0	RS-700	-0.89867830189
10136	-122.360	37.716	2109.174	2088640.546	6023796.259	0	RS-700	-0.24419000000
10137	-122.360	37.716	2079.280	2088638.854	6023795.300	0	RS-700	-0.43220157233
10138	-122.360	37.716	2031.518	2088638.034	6023794.416	0	RS-700	-0.73259119497
10139	-122.360	37.716	2068.953	2088638.349	6023795.030	0	RS-700	-0.49715364780
10140	-122.360	37.716	2045.224	2088638.787	6023796.832	0	RS-700	-0.64638968554
10141	-122.360	37.716	2011.924	2088638.605	6023798.622	0	RS-700	-0.85582666667
10142	-122.360	37.716	2070.833	2088638.138	6023800.146	0	RS-700	-0.48532792453
10143	-122.360	37.716	2003.016	2088638.137	6023800.204	0	RS-700	-0.91184993711
10144	-122.360	37.716	1988.881	2088638.307	6023798.992	0	RS-700	-1.00074672956
10145	-122.360	37.716	2109.861	2088638.927	6023797.124	0	RS-700	-0.23987062893
10146	-122.360	37.716	2049.426	2088640.120	6023795.701	0	RS-700	-0.61996402516
10147	-122.360	37.716	2047.836	2088641.531	6023794.341	0	RS-700	-0.62996081761
10148	-122.360	37.716	2000.116	2088642.723	6023793.034	0	RS-700	-0.93009075472
10149	-122.360	37.716	2167.984	2088644.252	6023791.212	0	RS-700	0.12568402516
10150	-122.360	37.716	2397.565	2088645.969	6023789.106	0	RS-700	1.56959037736
10151	-122.360	37.716	2621.579	2088647.640	6023787.519	0	RS-700	2.97848490566
10152	-122.360	37.716	2250.143	2088649.235	6023786.046	0	RS-700	0.15877794721
10153	-122.360	37.716	1528.942	2088650.825	6023782.982	0	RS-700	-1.95618281525
10154	-122.360	37.716	1969.803	2088652.278	6023781.333	0	RS-700	-0.66333422287
10155	-122.360	37.716	2434.752	2088653.812	6023779.280	0	RS-700	0.70015302053
10156	-122.360	37.716	2449.363	2088655.898	6023776.978	0	RS-700	0.74300143695
10157	-122.360	37.716	2121.761	2088658.172	6023774.333	0	RS-700	-0.21771105572
10158	-122.360	37.716	2156.457	2088660.012	6023771.506	0	RS-700	-0.11596334311
10159	-122.360	37.716	2196.223	2088661.406	6023769.190	0	RS-700	0.30329056604
10160	-122.360	37.716	2200.456	2088662.711	6023767.654	0	RS-700	0.32991484277
10161	-122.360	37.716	2120.655	2088663.756	6023766.401	0	RS-700	-0.17197886793
10162	-122.360	37.716	2080.156	2088664.618	6023765.174	0	RS-700	-0.42669421384
10163	-122.360	37.716	2202.790	2088665.672	6023763.431	0	RS-700	0.34458955975
10164	-122.360	37.716	2042.936	2088667.354	6023761.294	0	RS-700	-0.66078194969
10165	-122.360	37.716	2026.526	2088669.219	6023759.075	0	RS-700	-0.76398635220
10166	-122.360	37.716	2134.340	2088671.158	6023756.799	0	RS-700	-0.08591194969
10167	-122.360	37.716	2110.181	2088672.988	6023754.492	0	RS-700	-0.23785754717
10168	-122.360	37.716	2106.757	2088674.743	6023752.328	0	RS-700	-0.25939182390
10169	-122.360	37.716	2027.914	2088676.422	6023750.278	0	RS-700	-0.75526081761

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10170	-122.360	37.716	2012.423	2088678.139	6023748.172	0	RS-700	-0.85268805031
10171	-122.360	37.716	1990.803	2088679.931	6023746.009	0	RS-700	-0.98865742138
10172	-122.360	37.716	1987.613	2088681.433	6023743.695	0	RS-700	-1.00872396226
10173	-122.360	37.716	1865.388	2088682.974	6023741.295	0	RS-700	-1.77743459119
10174	-122.360	37.716	2127.174	2088684.731	6023739.016	0	RS-700	-0.13098257862
10175	-122.360	37.716	1920.980	2088686.562	6023736.680	0	RS-700	-1.42779867925
10176	-122.360	37.716	1946.791	2088688.286	6023734.226	0	RS-700	-1.26546666667
10177	-122.360	37.716	1998.616	2088690.085	6023731.687	0	RS-700	-0.93952012579
10178	-122.360	37.716	2037.342	2088691.775	6023729.117	0	RS-700	-0.69595937107
10179	-122.360	37.716	1985.308	2088693.608	6023726.636	0	RS-700	-1.02322081761
10180	-122.360	37.716	1982.710	2088695.515	6023724.186	0	RS-700	-1.03956257862
10181	-122.360	37.716	2045.045	2088697.457	6023721.737	0	RS-700	-0.64751396226
10182	-122.360	37.716	2036.539	2088699.256	6023719.198	0	RS-700	-0.70101433962
10183	-122.360	37.716	1984.713	2088701.165	6023716.574	0	RS-700	-1.02696037736
10184	-122.360	37.717	2001.516	2088703.038	6023713.950	0	RS-700	-0.92128150943
10185	-122.360	37.717	2064.153	2088704.910	6023711.383	0	RS-700	-0.52734157233
10186	-122.360	37.717	2011.833	2088706.744	6023708.903	0	RS-700	-0.85639666667
10187	-122.360	37.717	1926.700	2088708.721	6023706.541	0	RS-700	-1.39182465409
10188	-122.360	37.717	1972.610	2088710.697	6023704.237	0	RS-700	-1.10308062893
10189	-122.360	37.717	1968.709	2088712.712	6023701.818	0	RS-700	-1.12761767296
10190	-122.360	37.717	1964.598	2088714.656	6023699.281	0	RS-700	-1.15347069182
10191	-122.360	37.717	1962.803	2088716.528	6023696.715	0	RS-700	-1.16476050314
10192	-122.360	37.717	1685.673	2088718.287	6023694.349	0	RS-700	-2.90771509434
10193	-122.360	37.717	1855.303	2088719.636	6023692.437	0	RS-700	-1.84086194969
10194	-122.360	37.717	1992.830	2088720.586	6023690.460	0	RS-700	-0.97590905660
10195	-122.360	37.717	1944.827	2088721.752	6023688.574	0	RS-700	-1.27782012579
10196	-122.360	37.717	1681.943	2088723.354	6023686.783	0	RS-700	-2.93117905660
10197	-122.360	37.717	960.151	2088724.803	6023685.336	0	RS-700	-7.47075106918
10198	-122.360	37.717	798.166	2088726.146	6023683.743	0	RS-700	-8.48952125786
10199	-122.360	37.717	901.141	2088726.783	6023682.830	0	RS-700	-7.84187937107
10200	-122.360	37.717	1513.923	2088727.682	6023681.546	0	RS-700	-3.98790553459
10201	-122.360	37.717	1943.708	2088728.841	6023680.035	0	RS-700	-1.28485723270
10202	-122.360	37.717	1946.183	2088729.776	6023678.810	0	RS-700	-1.26928647799
10203	-122.360	37.717	1947.797	2088730.779	6023677.846	0	RS-700	-1.25914062893
10204	-122.360	37.717	2024.439	2088731.782	6023676.853	0	RS-700	-0.77711207547
10205	-122.360	37.717	2051.439	2088732.710	6023675.946	0	RS-700	-0.60730012579
10206	-122.360	37.717	1945.404	2088733.973	6023674.698	0	RS-700	-1.27419169811
10207	-122.360	37.717	2031.727	2088735.426	6023673.078	0	RS-700	-0.73127465409
10208	-122.360	37.717	1956.701	2088736.882	6023671.284	0	RS-700	-1.20313540881
10209	-122.360	37.717	2044.528	2088738.048	6023669.398	0	RS-700	-0.65076748428
10210	-122.360	37.717	1971.605	2088739.287	6023667.571	0	RS-700	-1.10940125786
10211	-122.360	37.717	2000.308	2088740.519	6023666.034	0	RS-700	-0.92887924528
10212	-122.360	37.717	2005.622	2088742.009	6023664.356	0	RS-700	-0.89545628931
10213	-122.360	37.717	1967.805	2088743.321	6023662.473	0	RS-700	-1.13330358491
10214	-122.360	37.717	2029.642	2088744.783	6023660.390	0	RS-700	-0.74438811321

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10215	-122.360	37.717	1941.989	2088746.307	6023658.858	0	RS-700	-1.29566911950
10216	-122.360	37.717	2053.953	2088747.584	6023656.887	0	RS-700	-0.59148767296
10217	-122.360	37.717	1939.604	2088748.896	6023655.004	0	RS-700	-1.31066371069
10218	-122.360	37.717	1961.802	2088750.142	6023652.801	0	RS-700	-1.17105641509
10219	-122.360	37.717	2081.848	2088751.149	6023651.577	0	RS-700	-0.41604842767
10220	-122.360	37.717	1955.503	2088751.975	6023650.321	0	RS-700	-1.21067018868
10221	-122.360	37.717	2012.724	2088752.649	6023649.408	0	RS-700	-0.85079201258
10222	-122.360	37.717	2042.751	2088753.022	6023648.953	0	RS-700	-0.66194194969
10223	-122.360	37.717	1983.914	2088753.247	6023648.668	0	RS-700	-1.03198867925
10224	-122.360	37.717	1985.510	2088753.396	6023648.468	0	RS-700	-1.02195264151
10225	-122.360	37.717	2093.752	2088753.992	6023647.815	0	RS-700	-0.34117987421
10226	-122.360	37.717	2069.262	2088754.950	6023647.255	0	RS-700	-0.49520685535
10227	-122.360	37.717	1997.617	2088756.288	6023645.893	0	RS-700	-0.94580345912
10228	-122.360	37.717	2017.740	2088757.824	6023643.725	0	RS-700	-0.81924509434
10229	-122.360	37.717	2021.312	2088759.203	6023642.161	0	RS-700	-0.79677968554
10230	-122.360	37.717	1978.610	2088760.711	6023639.558	0	RS-700	-1.06534616352
10231	-122.360	37.717	2043.739	2088762.213	6023637.303	0	RS-700	-0.65572698113
10232	-122.360	37.717	2094.698	2088763.713	6023635.134	0	RS-700	-0.33523452830
10233	-122.360	37.717	2005.618	2088765.285	6023632.995	0	RS-700	-0.89548729560
10234	-122.360	37.717	1932.794	2088766.850	6023631.233	0	RS-700	-1.35349924528
10235	-122.360	37.717	2005.721	2088768.385	6023629.122	0	RS-700	-0.89483937107
10236	-122.360	37.717	2098.642	2088769.927	6023626.665	0	RS-700	-0.31042528302
10237	-122.360	37.717	2087.165	2088771.426	6023624.554	0	RS-700	-0.38261069182
10238	-122.360	37.717	2075.542	2088773.032	6023622.532	0	RS-700	-0.45571358491
10239	-122.360	37.717	2055.634	2088774.675	6023620.482	0	RS-700	-0.58092106918
10240	-122.360	37.717	2010.216	2088776.318	6023618.460	0	RS-700	-0.86656603774
10241	-122.360	37.717	2050.059	2088777.853	6023616.350	0	RS-700	-0.61597823899
10242	-122.360	37.717	1981.809	2088779.534	6023614.213	0	RS-700	-1.04522377358
10243	-122.360	37.717	1960.803	2088781.360	6023612.109	0	RS-700	-1.17734270440
10244	-122.360	37.717	1997.309	2088783.034	6023610.377	0	RS-700	-0.94773949686
10245	-122.360	37.717	2060.636	2088784.691	6023607.633	0	RS-700	-0.54946075472
10246	-122.360	37.717	2126.975	2088786.372	6023605.497	0	RS-700	-0.13223289308
10247	-122.360	37.717	2099.329	2088788.052	6023603.447	0	RS-700	-0.30610716981
10248	-122.360	37.717	2052.147	2088789.658	6023601.425	0	RS-700	-0.60285213837
10249	-122.360	37.717	1979.413	2088791.263	6023599.461	0	RS-700	-1.06029767296
10250	-122.360	37.717	1985.412	2088792.832	6023597.496	0	RS-700	-1.02256610063
10251	-122.360	37.717	1981.902	2088794.328	6023595.500	0	RS-700	-1.04464088050
10252	-122.360	37.717	2026.828	2088795.787	6023593.562	0	RS-700	-0.76208830189
10253	-122.360	37.717	2107.640	2088797.210	6023591.594	0	RS-700	-0.25383798742
10254	-122.360	37.717	2014.319	2088798.636	6023589.453	0	RS-700	-0.84076358491
10255	-122.360	37.717	2085.537	2088800.281	6023587.344	0	RS-700	-0.39284748428
10256	-122.360	37.717	2090.540	2088801.780	6023585.204	0	RS-700	-0.36138251572
10257	-122.360	37.717	1998.116	2088803.281	6023582.978	0	RS-700	-0.94266962264
10258	-122.360	37.717	2045.239	2088804.772	6023581.243	0	RS-700	-0.64629786164
10259	-122.360	37.717	1995.911	2088806.446	6023579.511	0	RS-700	-0.95653691824

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10260	-122.360	37.717	2007.619	2088807.944	6023577.429	0	RS-700	-0.88289811321
10261	-122.360	37.717	2086.744	2088809.476	6023575.463	0	RS-700	-0.38525654088
10262	-122.360	37.717	2157.664	2088811.011	6023573.353	0	RS-700	0.06077817610
10263	-122.360	37.717	2029.936	2088812.404	6023571.095	0	RS-700	-0.74254194969
10264	-122.360	37.717	2028.117	2088814.010	6023569.044	0	RS-700	-0.75398320755
10265	-122.360	37.717	2028.933	2088815.729	6023566.879	0	RS-700	-0.74885000000
10266	-122.360	37.717	2117.500	2088817.708	6023564.402	0	RS-700	-0.19182578616
10267	-122.360	37.717	2047.324	2088819.376	6023562.931	0	RS-700	-0.63318289308
10268	-122.360	37.717	2045.835	2088821.057	6023560.823	0	RS-700	-0.64254459120
10269	-122.360	37.717	2124.766	2088822.813	6023558.602	0	RS-700	-0.14612685535
10270	-122.361	37.717	2113.854	2088824.532	6023556.379	0	RS-700	-0.21475515723
10271	-122.361	37.717	1672.670	2088826.194	6023553.403	0	RS-700	-2.98949786164
10272	-122.361	37.717	1378.555	2088827.842	6023551.122	0	RS-700	-4.83927987421
10273	-122.361	37.717	2046.535	2088829.155	6023549.181	0	RS-700	-0.63814402516
10274	-122.361	37.717	2219.573	2088830.720	6023547.418	0	RS-700	0.45014283019
10275	-122.361	37.717	1734.706	2088832.433	6023545.485	0	RS-700	-2.59933553459
10276	-122.361	37.717	850.218	2088834.260	6023543.380	0	RS-700	-8.16214899371
10277	-122.361	37.717	1258.581	2088836.015	6023541.187	0	RS-700	-5.59383194969
10278	-122.361	37.717	1949.702	2088837.623	6023539.079	0	RS-700	-1.24715880503
10279	-122.361	37.717	2026.026	2088839.299	6023537.231	0	RS-700	-0.76713427673
10280	-122.361	37.717	2087.750	2088841.156	6023535.388	0	RS-700	-0.37893132076
10281	-122.361	37.717	2029.031	2088843.036	6023534.239	0	RS-700	-0.74823000000
10282	-122.361	37.717	2083.433	2088844.788	6023532.249	0	RS-700	-0.40607918239
10283	-122.361	37.717	2090.332	2088846.663	6023529.509	0	RS-700	-0.36269050315
10284	-122.361	37.717	2039.240	2088848.418	6023527.345	0	RS-700	-0.68402761006
10285	-122.361	37.717	2100.328	2088850.245	6023525.211	0	RS-700	-0.29982371069
10286	-122.361	37.717	2048.734	2088852.072	6023523.049	0	RS-700	-0.62431440252
10287	-122.361	37.717	2042.136	2088853.828	6023520.827	0	RS-700	-0.66580849057
10288	-122.361	37.717	2108.650	2088855.403	6023518.573	0	RS-700	-0.24748477987
10289	-122.361	37.717	2002.623	2088856.757	6023516.401	0	RS-700	-0.91431880503
10290	-122.361	37.717	2025.835	2088858.398	6023514.438	0	RS-700	-0.76833150943
10291	-122.361	37.717	1989.110	2088860.148	6023512.505	0	RS-700	-0.99931132076
10292	-122.361	37.717	2052.634	2088861.825	6023510.629	0	RS-700	-0.59978716981
10293	-122.361	37.717	1875.867	2088863.281	6023508.807	0	RS-700	-1.71152943396
10294	-122.361	37.717	1852.837	2088864.593	6023506.923	0	RS-700	-1.85636836478
10295	-122.361	37.717	2113.961	2088865.752	6023505.442	0	RS-700	-0.21408477987
10296	-122.361	37.717	2187.663	2088866.509	6023504.011	0	RS-700	0.24945339623
10297	-122.361	37.717	2111.656	2088866.979	6023502.313	0	RS-700	-0.22857981132
10298	-122.361	37.717	2080.950	2088866.678	6023500.976	0	RS-700	-0.42169842767
10299	-122.361	37.717	2032.730	2088865.837	6023499.311	0	RS-700	-0.72496842767
10300	-122.361	37.717	2142.445	2088864.947	6023498.280	0	RS-700	-0.03493635220
10301	-122.361	37.717	2133.970	2088864.661	6023498.043	0	RS-700	-0.08823754717
10302	-122.361	37.717	2080.855	2088865.997	6023498.590	0	RS-700	-0.42229616352
10303	-122.361	37.717	2089.755	2088867.476	6023497.492	0	RS-700	-0.36631811321
10304	-122.361	37.717	2091.650	2088868.681	6023497.342	0	RS-700	-0.35440327044

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10305	-122.361	37.717	2020.618	2088869.520	6023497.272	0	RS-700	-0.80114698113
10306	-122.361	37.717	2033.831	2088869.775	6023497.277	0	RS-700	-0.71804610063
10307	-122.361	37.717	2037.524	2088869.156	6023497.265	0	RS-700	-0.69481943396
10308	-122.361	37.717	2163.449	2088867.913	6023497.500	0	RS-700	0.09716169811
10309	-122.361	37.717	2119.869	2088866.955	6023498.031	0	RS-700	-0.17692327044
10310	-122.361	37.717	2101.422	2088865.887	6023498.646	0	RS-700	-0.29294320755
10311	-122.361	37.717	2000.621	2088864.964	6023499.264	0	RS-700	-0.92691226415
10312	-122.361	37.717	2151.889	2088864.480	6023499.775	0	RS-700	0.02445842767
10313	-122.361	37.717	2164.751	2088864.517	6023499.747	0	RS-700	0.10535339623
10314	-122.361	37.717	2177.897	2088864.441	6023499.919	0	RS-700	0.18802981132
10315	-122.361	37.717	2200.898	2088864.217	6023500.204	0	RS-700	0.33269408805
10316	-122.361	37.717	2052.533	2088863.506	6023501.174	0	RS-700	-0.60042270440
10317	-122.361	37.717	1735.623	2088862.307	6023502.857	0	RS-700	-2.59356584906
10318	-122.361	37.717	1975.791	2088860.854	6023504.506	0	RS-700	-1.08307522013
10319	-122.361	37.717	1946.093	2088859.438	6023506.127	0	RS-700	-1.26985371069
10320	-122.361	37.717	2067.430	2088858.379	6023508.073	0	RS-700	-0.50673018868
10321	-122.361	37.717	2074.845	2088857.288	6023509.816	0	RS-700	-0.46009547170
10322	-122.361	37.717	1914.877	2088855.878	6023511.148	0	RS-700	-1.46618383648
10323	-122.361	37.717	2026.422	2088858.500	6023511.142	0	RS-700	-0.76464081761
10324	-122.361	37.717	2032.933	2088852.979	6023514.099	0	RS-700	-0.72369301887
10325	-122.361	37.717	1986.713	2088851.664	6023516.098	0	RS-700	-1.01438163522
10326	-122.361	37.717	1972.711	2088850.281	6023517.893	0	RS-700	-1.10244465409
10327	-122.361	37.717	2058.533	2088849.049	6023519.431	0	RS-700	-0.56268396226
10328	-122.361	37.717	2031.031	2088848.114	6023520.627	0	RS-700	-0.73565100629
10329	-122.361	37.717	1945.990	2088846.808	6023522.221	0	RS-700	-1.27050069182
10330	-122.361	37.717	2030.525	2088845.903	6023523.794	0	RS-700	-0.73883440252
10331	-122.361	37.717	1976.610	2088844.526	6023525.271	0	RS-700	-1.07792622642
10332	-122.361	37.717	2054.838	2088843.447	6023526.407	0	RS-700	-0.58592264151
10333	-122.361	37.717	2021.725	2088842.666	6023527.202	0	RS-700	-0.79418471698
10334	-122.361	37.717	1962.804	2088846.282	6023526.695	0	RS-700	-1.16475421384
10335	-122.361	37.717	2025.928	2088845.461	6023527.691	0	RS-700	-0.76774937107
10336	-122.361	37.717	2074.845	2088844.454	6023528.886	0	RS-700	-0.46009540881
10337	-122.361	37.717	2054.132	2088843.296	6023530.339	0	RS-700	-0.59036616352
10338	-122.361	37.717	2054.147	2088837.738	6023533.295	0	RS-700	-0.59027345912
10339	-122.361	37.717	2061.841	2088836.538	6023535.036	0	RS-700	-0.54187798742
10340	-122.361	37.717	1636.596	2088835.011	6023536.712	0	RS-700	-3.21637924528
10341	-122.361	37.717	1192.576	2088833.889	6023538.194	0	RS-700	-6.00895817610
10342	-122.361	37.717	1082.346	2088833.167	6023539.742	0	RS-700	-6.70222540881
10343	-122.361	37.717	1212.278	2088832.300	6023541.200	0	RS-700	-5.88504685535
10344	-122.361	37.717	1895.855	2088831.183	6023542.422	0	RS-700	-1.58581691824
10345	-122.361	37.717	2124.763	2088829.889	6023543.380	0	RS-700	-0.14614704403
10346	-122.361	37.717	2185.873	2088833.141	6023542.866	0	RS-700	0.23819421384
10347	-122.361	37.717	2221.686	2088832.284	6023543.862	0	RS-700	0.46343207547
10348	-122.361	37.717	2328.836	2088831.202	6023545.142	0	RS-700	1.13733182390
10349	-122.361	37.717	2245.906	2088829.933	6023546.679	0	RS-700	0.61575987421

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10350	-122.361	37.717	2165.776	2088828.367	6023548.528	0	RS-700	0.11180176101
10351	-122.361	37.717	2200.785	2088826.837	6023550.350	0	RS-700	0.33198327044
10352	-122.361	37.717	1986.314	2088825.418	6023552.144	0	RS-700	-1.01689182390
10353	-122.361	37.717	2046.942	2088824.073	6023553.824	0	RS-700	-0.63558477987
10354	-122.361	37.717	2094.541	2088822.765	6023555.534	0	RS-700	-0.33622289308
10355	-122.360	37.717	2108.548	2088821.275	6023557.182	0	RS-700	-0.24812691824
10356	-122.360	37.717	2110.336	2088819.601	6023558.943	0	RS-700	-0.23688006289
10357	-122.360	37.717	2117.544	2088818.036	6023560.734	0	RS-700	-0.19154968554
10358	-122.360	37.717	2054.612	2088816.708	6023563.398	0	RS-700	-0.58734628931
10359	-122.360	37.717	2040.632	2088815.154	6023564.640	0	RS-700	-0.67526798742
10360	-122.360	37.717	2031.828	2088813.622	6023566.606	0	RS-700	-0.73063981132
10361	-122.360	37.717	1993.619	2088812.095	6023568.312	0	RS-700	-0.97095094340
10362	-122.360	37.717	2088.959	2088810.677	6023569.990	0	RS-700	-0.37132698113
10363	-122.360	37.717	2012.734	2088809.334	6023571.613	0	RS-700	-0.85073044025
10364	-122.360	37.717	2047.631	2088808.100	6023573.237	0	RS-700	-0.63124855346
10365	-122.360	37.717	2077.847	2088806.942	6023574.690	0	RS-700	-0.44121232704
10366	-122.360	37.717	2060.328	2088805.639	6023576.139	0	RS-700	-0.55139716981
10367	-122.360	37.717	1996.816	2088804.189	6023577.615	0	RS-700	-0.95084119497
10368	-122.360	37.717	1975.397	2088802.667	6023579.060	0	RS-700	-1.08555628931
10369	-122.360	37.717	1882.770	2088801.109	6023580.475	0	RS-700	-1.66811157233
10370	-122.360	37.717	2123.080	2088799.681	6023582.733	0	RS-700	-0.15672654088
10371	-122.360	37.717	2053.735	2088798.518	6023584.416	0	RS-700	-0.59286257862
10372	-122.360	37.717	2051.939	2088797.616	6023585.816	0	RS-700	-0.60415943396
10373	-122.360	37.717	2016.623	2088796.609	6023587.011	0	RS-700	-0.82626911950
10374	-122.360	37.717	1969.692	2088791.538	6023589.283	0	RS-700	-1.12143238994
10375	-122.360	37.717	2052.737	2088790.895	6023590.485	0	RS-700	-0.59913880503
10376	-122.360	37.717	1970.409	2088790.222	6023591.368	0	RS-700	-1.11692257862
10377	-122.360	37.717	2085.840	2088793.506	6023591.057	0	RS-700	-0.39094169811
10378	-122.360	37.717	2056.835	2088793.394	6023591.171	0	RS-700	-0.57336503145
10379	-122.360	37.717	1958.604	2088793.431	6023591.172	0	RS-700	-1.19116723270
10380	-122.360	37.717	2021.136	2088793.394	6023591.200	0	RS-700	-0.79788805031
10381	-122.360	37.717	2090.857	2088793.430	6023591.201	0	RS-700	-0.35939056604
10382	-122.360	37.717	2001.323	2088793.394	6023591.200	0	RS-700	-0.92249559748
10383	-122.360	37.717	2044.829	2088793.393	6023591.229	0	RS-700	-0.64887176101
10384	-122.360	37.717	1944.309	2088792.945	6023591.770	0	RS-700	-1.28107352201
10385	-122.360	37.717	2013.823	2088791.973	6023593.052	0	RS-700	-0.84388194969
10386	-122.360	37.717	2049.248	2088790.665	6023594.733	0	RS-700	-0.62107886793
10387	-122.360	37.717	2193.456	2088789.470	6023596.214	0	RS-700	0.28588685535
10388	-122.360	37.717	2091.166	2088788.498	6023597.496	0	RS-700	-0.35744566038
10389	-122.360	37.717	2054.537	2088787.825	6023598.351	0	RS-700	-0.58781628931
10390	-122.360	37.717	2035.949	2088787.302	6023599.035	0	RS-700	-0.70472610063
10391	-122.360	37.717	2006.521	2088786.778	6023599.719	0	RS-700	-0.88980616352
10392	-122.360	37.717	2053.324	2088785.918	6023600.859	0	RS-700	-0.59544440252
10393	-122.360	37.717	2055.841	2088784.535	6023602.654	0	RS-700	-0.57961522013
10394	-122.360	37.717	2059.427	2088783.040	6023604.562	0	RS-700	-0.55706000000

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10395	-122.360	37.717	2016.722	2088781.471	6023606.556	0	RS-700	-0.82564849057
10396	-122.360	37.717	1945.806	2088780.012	6023608.495	0	RS-700	-1.27165773585
10397	-122.360	37.717	1989.510	2088778.516	6023610.461	0	RS-700	-0.99679283019
10398	-122.360	37.717	2026.313	2088777.056	6023612.486	0	RS-700	-0.76532465409
10399	-122.360	37.717	1979.792	2088775.554	6023614.713	0	RS-700	-1.05791264151
10400	-122.360	37.717	1948.407	2088773.981	6023616.938	0	RS-700	-1.25530452830
10401	-122.360	37.717	2063.362	2088772.337	6023619.017	0	RS-700	-0.53231654088
10402	-122.360	37.717	2017.716	2088770.697	6023620.894	0	RS-700	-0.81939534591
10403	-122.360	37.717	1967.396	2088769.089	6023623.003	0	RS-700	-1.13587522013
10404	-122.360	37.717	2020.830	2088767.482	6023625.054	0	RS-700	-0.79981138365
10405	-122.360	37.717	1918.594	2088765.950	6023627.049	0	RS-700	-1.44280503145
10406	-122.360	37.717	1982.512	2088764.455	6023628.929	0	RS-700	-1.04080213836
10407	-122.360	37.717	1955.509	2088762.999	6023630.751	0	RS-700	-1.21063232704
10408	-122.360	37.717	1980.498	2088761.577	6023632.661	0	RS-700	-1.05346981132
10409	-122.360	37.717	1988.712	2088760.042	6023634.743	0	RS-700	-1.00181125786
10410	-122.360	37.717	1928.500	2088758.397	6023636.909	0	RS-700	-1.38050603774
10411	-122.360	37.717	1941.890	2088756.753	6023638.988	0	RS-700	-1.29628786164
10412	-122.360	37.717	2035.219	2088755.110	6023641.038	0	RS-700	-0.70931735849
10413	-122.360	37.717	1964.217	2088753.391	6023643.232	0	RS-700	-1.15586968553
10414	-122.360	37.717	1983.514	2088751.597	6023645.539	0	RS-700	-1.03450528302
10415	-122.360	37.717	1975.007	2088749.842	6023647.703	0	RS-700	-1.08800930818
10416	-122.360	37.717	1960.415	2088748.162	6023649.811	0	RS-700	-1.17978213836
10417	-122.360	37.717	1921.973	2088742.748	6023652.857	0	RS-700	-1.42155301887
10418	-122.360	37.717	2017.732	2088740.737	6023655.073	0	RS-700	-0.81929534591
10419	-122.360	37.717	1922.598	2088743.227	6023656.193	0	RS-700	-1.41761981132
10420	-122.360	37.717	1881.692	2088741.547	6023658.301	0	RS-700	-1.67489062893
10421	-122.360	37.717	1918.592	2088736.353	6023661.264	0	RS-700	-1.44282037736
10422	-122.360	37.717	1805.739	2088734.634	6023663.457	0	RS-700	-2.15258559748
10423	-122.360	37.717	1833.561	2088732.924	6023665.217	0	RS-700	-1.97760383648
10424	-122.360	37.717	1984.717	2088731.319	6023667.153	0	RS-700	-1.02693578616
10425	-122.360	37.717	1909.497	2088733.416	6023667.918	0	RS-700	-1.50001748428
10426	-122.360	37.717	2014.505	2088728.110	6023671.023	0	RS-700	-0.83959314465
10427	-122.360	37.717	2060.632	2088730.192	6023672.569	0	RS-700	-0.54948119497
10428	-122.360	37.717	1768.525	2088728.584	6023674.678	0	RS-700	-2.38663610063
10429	-122.360	37.717	1547.415	2088727.013	6023676.730	0	RS-700	-3.77726723270
10430	-122.360	37.717	1631.889	2088725.633	6023678.409	0	RS-700	-3.24598238994
10431	-122.360	37.717	1581.328	2088724.395	6023680.207	0	RS-700	-3.56397641509
10432	-122.360	37.717	1936.575	2088722.839	6023681.536	0	RS-700	-1.32971691824
10433	-122.360	37.717	2030.032	2088721.376	6023683.677	0	RS-700	-0.74193647799
10434	-122.360	37.717	2056.620	2088719.694	6023685.871	0	RS-700	-0.57471893082
10435	-122.360	37.717	1944.989	2088717.940	6023687.977	0	RS-700	-1.27679635220
10436	-122.360	37.717	1939.599	2088716.589	6023689.975	0	RS-700	-1.31069566038
10437	-122.360	37.717	2009.925	2088715.641	6023691.895	0	RS-700	-0.86839798742
10438	-122.360	37.717	2086.066	2088715.164	6023692.059	0	RS-700	-0.38952471698
10439	-122.360	37.717	2023.127	2088714.669	6023693.148	0	RS-700	-0.78536723270

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10440	-122.360	37.717	2025.828	2088713.687	6023694.894	0	RS-700	-0.76837937107
10441	-122.360	37.717	2032.631	2088712.119	6023696.859	0	RS-700	-0.72559207547
10442	-122.360	37.717	1964.710	2088710.475	6023698.909	0	RS-700	-1.15276603774
10443	-122.360	37.717	2033.628	2088709.012	6023701.079	0	RS-700	-0.71931792453
10444	-122.360	37.717	2020.824	2088707.406	6023703.101	0	RS-700	-0.79984943396
10445	-122.360	37.717	2001.521	2088705.946	6023705.068	0	RS-700	-0.92125207547
10446	-122.360	37.717	1943.404	2088704.411	6023707.178	0	RS-700	-1.28676566038
10447	-122.360	37.717	1927.693	2088703.121	6023709.785	0	RS-700	-1.38558050314
10448	-122.360	37.716	1947.087	2088695.876	6023713.345	0	RS-700	-1.26360484277
10449	-122.360	37.716	1973.512	2088694.488	6023715.371	0	RS-700	-1.09740610063
10450	-122.360	37.716	1974.700	2088698.370	6023716.114	0	RS-700	-1.08993805031
10451	-122.360	37.716	1975.895	2088691.347	6023719.504	0	RS-700	-1.08241962264
10452	-122.360	37.716	1986.326	2088694.982	6023719.807	0	RS-700	-1.01681779874
10453	-122.360	37.716	1963.698	2088693.376	6023721.858	0	RS-700	-1.15913408805
10454	-122.360	37.716	1939.596	2088686.673	6023725.602	0	RS-700	-1.31071672956
10455	-122.360	37.716	2048.734	2088685.068	6023727.566	0	RS-700	-0.62431276730
10456	-122.360	37.716	1934.303	2088688.227	6023728.063	0	RS-700	-1.34400333333
10457	-122.360	37.716	1859.945	2088681.599	6023731.692	0	RS-700	-1.81166937107
10458	-122.360	37.716	1889.962	2088679.953	6023733.887	0	RS-700	-1.62288245283
10459	-122.360	37.716	1960.606	2088678.162	6023736.021	0	RS-700	-1.17858176101
10460	-122.360	37.716	2102.075	2088676.446	6023738.070	0	RS-700	-0.28883647799
10461	-122.360	37.716	2111.653	2088679.592	6023739.203	0	RS-700	-0.22859943396
10462	-122.360	37.716	1967.903	2088677.946	6023741.398	0	RS-700	-1.13268591195
10463	-122.360	37.716	1962.798	2088676.192	6023743.533	0	RS-700	-1.16479301887
10464	-122.360	37.716	2081.736	2088674.478	6023745.466	0	RS-700	-0.41675238994
10465	-122.360	37.716	2052.527	2088672.946	6023747.432	0	RS-700	-0.60045729560
10466	-122.360	37.716	1954.402	2088671.421	6023749.051	0	RS-700	-1.21759830189
10467	-122.360	37.716	1996.524	2088669.928	6023750.873	0	RS-700	-0.95268132076
10468	-122.360	37.716	1959.801	2088668.579	6023752.755	0	RS-700	-1.18364283019
10469	-122.360	37.716	1985.313	2088667.051	6023754.547	0	RS-700	-1.02318867925
10470	-122.360	37.716	2050.423	2088665.446	6023756.483	0	RS-700	-0.61369050315
10471	-122.360	37.716	2115.544	2088663.840	6023758.505	0	RS-700	-0.20412610063
10472	-122.360	37.716	2177.666	2088662.379	6023760.559	0	RS-700	0.18657748428
10473	-122.360	37.716	2170.911	2088660.812	6023762.408	0	RS-700	0.14409566038
10474	-122.360	37.716	2070.845	2088659.026	6023764.340	0	RS-700	-0.48524955975
10475	-122.360	37.716	2105.330	2088657.312	6023766.302	0	RS-700	-0.26836251572
10476	-122.360	37.716	2255.583	2088655.631	6023768.381	0	RS-700	0.17472879765
10477	-122.360	37.716	2654.817	2088654.112	6023769.710	0	RS-700	1.34550310850
10478	-122.360	37.716	2375.968	2088652.817	6023772.578	0	RS-700	0.52776542522
10479	-122.360	37.716	1887.574	2088651.542	6023774.404	0	RS-700	-0.90447615836
10480	-122.360	37.716	1478.529	2088650.344	6023776.058	0	RS-700	-2.10402020528
10481	-122.360	37.716	2054.041	2088648.906	6023776.926	0	RS-700	-0.41630152493
10482	-122.360	37.716	2541.165	2088647.597	6023778.665	0	RS-700	1.01221340176
10483	-122.360	37.716	2564.164	2088646.319	6023780.665	0	RS-700	1.07966000000
10484	-122.360	37.716	2199.899	2088644.713	6023782.687	0	RS-700	0.32640748428



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10485	-122.360	37.716	2003.620	2088643.033	6023784.766	0	RS-700	-0.90804817610
10486	-122.360	37.716	2093.066	2088641.282	6023786.727	0	RS-700	-0.34549383648
10487	-122.360	37.716	2047.836	2088639.823	6023788.665	0	RS-700	-0.62996226415
10488	-122.360	37.716	2027.422	2088638.089	6023789.817	0	RS-700	-0.75835496855
10489	-122.360	37.716	2006.123	2088635.970	6023790.122	0	RS-700	-0.89230786164
10490	-122.360	37.716	2034.417	2088629.980	6023790.987	0	RS-700	-0.71435836478
10491	-122.360	37.716	1953.996	2088629.260	6023790.567	0	RS-700	-1.22015025157
10492	-122.360	37.716	2021.513	2088629.542	6023791.036	0	RS-700	-0.79551522013
10493	-122.360	37.716	2035.629	2088630.387	6023792.528	0	RS-700	-0.70673855346
10494	-122.360	37.716	2055.639	2088630.528	6023794.556	0	RS-700	-0.58088792453
10495	-122.360	37.716	2026.926	2088630.615	6023795.686	0	RS-700	-0.76146893082
10496	-122.360	37.716	2034.042	2088630.756	6023795.920	0	RS-700	-0.71671805031
10497	-122.360	37.716	2000.714	2088630.707	6023794.733	0	RS-700	-0.92632805031
10498	-122.360	37.716	2058.737	2088630.783	6023792.767	0	RS-700	-0.56140440252
10499	-122.360	37.716	2063.327	2088631.117	6023790.575	0	RS-700	-0.53253295598
10500	-122.360	37.716	2053.423	2088631.961	6023788.422	0	RS-700	-0.59482276730
10501	-122.360	37.716	1975.701	2088633.419	6023786.542	0	RS-700	-1.08364119497
10502	-122.360	37.716	2101.176	2088634.952	6023784.547	0	RS-700	-0.29449345912
10503	-122.360	37.716	2355.961	2088636.703	6023782.586	0	RS-700	1.30792886792
10504	-122.360	37.716	2633.833	2088642.421	6023778.909	0	RS-700	1.28396651026
10505	-122.360	37.716	2374.498	2088640.246	6023778.403	0	RS-700	0.52345548387
10506	-122.360	37.716	1955.406	2088641.878	6023776.873	0	RS-700	-0.70555565982
10507	-122.360	37.716	1462.232	2088643.221	6023775.309	0	RS-700	-2.15181170088
10508	-122.360	37.716	2047.154	2088644.671	6023773.775	0	RS-700	-0.43649961877
10509	-122.360	37.716	2552.427	2088646.233	6023772.157	0	RS-700	1.04524008798
10510	-122.360	37.716	2505.675	2088647.681	6023770.769	0	RS-700	0.90813712610
10511	-122.360	37.716	2165.214	2088649.910	6023768.585	0	RS-700	-0.09028108504
10512	-122.360	37.716	2116.440	2088651.779	6023766.163	0	RS-700	-0.23331428153
10513	-122.360	37.716	2134.553	2088653.754	6023763.888	0	RS-700	-0.08457327044
10514	-122.360	37.716	2166.450	2088655.872	6023761.760	0	RS-700	0.11604050315
10515	-122.360	37.716	2231.135	2088657.689	6023760.147	0	RS-700	0.52285918239
10516	-122.360	37.716	2063.049	2088659.355	6023758.763	0	RS-700	-0.53428345912
10517	-122.360	37.716	2063.535	2088660.881	6023757.115	0	RS-700	-0.53122930818
10518	-122.360	37.716	1992.611	2088662.372	6023755.380	0	RS-700	-0.97728987421
10519	-122.360	37.716	1992.822	2088663.900	6023753.646	0	RS-700	-0.97595962264
10520	-122.360	37.716	1994.616	2088665.358	6023751.736	0	RS-700	-0.96467974843
10521	-122.360	37.716	2015.716	2088666.598	6023749.823	0	RS-700	-0.83197257862
10522	-122.360	37.716	2112.434	2088668.019	6023747.970	0	RS-700	-0.22368616352
10523	-122.360	37.716	2009.921	2088669.435	6023746.350	0	RS-700	-0.86842402516
10524	-122.360	37.716	2061.739	2088670.856	6023744.497	0	RS-700	-0.54252289308
10525	-122.360	37.716	2028.622	2088672.315	6023742.530	0	RS-700	-0.75080220126
10526	-122.360	37.716	2033.842	2088673.737	6023740.620	0	RS-700	-0.71797308176
10527	-122.360	37.716	2187.118	2088675.158	6023738.739	0	RS-700	0.24602559748
10528	-122.360	37.716	2052.839	2088676.467	6023737.029	0	RS-700	-0.59849547170
10529	-122.360	37.716	1958.618	2088677.550	6023735.662	0	RS-700	-1.19108465409

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10530	-122.360	37.716	1926.978	2088678.300	6023734.577	0	RS-700	-1.39007540881
10531	-122.360	37.716	2035.638	2088678.823	6023733.951	0	RS-700	-0.70667930818
10532	-122.360	37.716	1923.871	2088678.860	6023733.894	0	RS-700	-1.40961792453
10533	-122.360	37.716	1923.896	2088678.858	6023734.010	0	RS-700	-1.40946050314
10534	-122.360	37.716	1995.016	2088678.895	6023733.982	0	RS-700	-0.96216635220
10535	-122.360	37.716	1882.770	2088677.783	6023734.972	0	RS-700	-1.66811522013
10536	-122.360	37.716	1942.086	2088677.783	6023734.972	0	RS-700	-1.29505622642
10537	-122.360	37.716	2004.626	2088677.783	6023734.972	0	RS-700	-0.90172440252
10538	-122.360	37.716	1958.702	2088677.818	6023735.002	0	RS-700	-1.19055176101
10539	-122.360	37.716	2036.523	2088677.782	6023735.001	0	RS-700	-0.70111490566
10540	-122.360	37.716	1957.997	2088677.818	6023735.002	0	RS-700	-1.19498905660
10541	-122.360	37.716	1946.991	2088677.819	6023734.973	0	RS-700	-1.26420905660
10542	-122.360	37.716	1929.498	2088677.819	6023734.973	0	RS-700	-1.37422849057
10543	-122.360	37.716	2004.418	2088677.818	6023735.002	0	RS-700	-0.90303440252
10544	-122.360	37.716	1902.775	2088677.818	6023735.002	0	RS-700	-1.54229836478
10545	-122.360	37.716	1980.711	2088677.819	6023734.973	0	RS-700	-1.05212943396
10546	-122.360	37.716	2056.427	2088678.968	6023733.983	0	RS-700	-0.57592861635
10547	-122.360	37.716	2018.727	2088679.018	6023733.290	0	RS-700	-0.81303811321
10548	-122.360	37.716	1923.910	2088679.054	6023733.319	0	RS-700	-1.40937188679
10549	-122.360	37.716	1954.404	2088679.053	6023733.377	0	RS-700	-1.21758301887
10550	-122.360	37.716	1998.116	2088679.053	6023733.348	0	RS-700	-0.94266748428
10551	-122.360	37.716	2001.819	2088679.053	6023733.377	0	RS-700	-0.91937842767
10552	-122.360	37.716	1967.601	2088679.016	6023733.405	0	RS-700	-1.13458515723
10553	-122.360	37.716	1926.208	2088679.016	6023733.405	0	RS-700	-1.39491918239
10554	-122.360	37.716	1928.500	2088679.015	6023733.434	0	RS-700	-1.38050327044
10555	-122.360	37.716	1983.910	2088679.015	6023733.434	0	RS-700	-1.03201201258
10556	-122.360	37.716	1987.711	2088679.014	6023733.463	0	RS-700	-1.00810452830
10557	-122.360	37.716	2006.418	2088679.051	6023733.435	0	RS-700	-0.89045044025
10558	-122.360	37.716	1934.593	2088679.051	6023733.435	0	RS-700	-1.34217962264
10559	-122.360	37.716	1966.912	2088679.004	6023733.984	0	RS-700	-1.13891679245
10560	-122.360	37.716	1928.595	2088679.228	6023733.699	0	RS-700	-1.37990484277
10561	-122.360	37.716	1876.669	2088679.977	6023732.672	0	RS-700	-1.70648578616
10562	-122.360	37.716	1952.502	2088680.877	6023731.359	0	RS-700	-1.22954566038
10563	-122.360	37.716	1958.509	2088681.859	6023729.585	0	RS-700	-1.19176477987
10564	-122.360	37.716	2028.831	2088682.809	6023727.637	0	RS-700	-0.74948761006
10565	-122.360	37.716	1975.004	2088683.828	6023725.806	0	RS-700	-1.08802364780
10566	-122.360	37.716	2059.437	2088684.883	6023724.033	0	RS-700	-0.55700075472
10567	-122.360	37.716	1938.174	2088686.045	6023722.378	0	RS-700	-1.31965836478
10568	-122.360	37.716	2063.944	2088687.278	6023720.811	0	RS-700	-0.52865408805
10569	-122.360	37.716	2078.472	2088688.583	6023719.275	0	RS-700	-0.43728257862
10570	-122.360	37.716	1985.014	2088690.107	6023717.743	0	RS-700	-1.02506911950
10571	-122.360	37.716	1998.228	2088691.149	6023716.607	0	RS-700	-0.94196188679
10572	-122.360	37.716	1963.697	2088691.980	6023715.119	0	RS-700	-1.15913603774
10573	-122.360	37.716	1979.612	2088693.067	6023713.549	0	RS-700	-1.05904704403
10574	-122.360	37.716	1977.696	2088694.261	6023712.126	0	RS-700	-1.07109358491

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10575	-122.360	37.716	1978.909	2088695.565	6023710.648	0	RS-700	-1.06346566038
10576	-122.360	37.716	2014.024	2088696.796	6023709.168	0	RS-700	-0.84261798742
10577	-122.360	37.716	1968.114	2088697.990	6023707.745	0	RS-700	-1.13135918239
10578	-122.360	37.716	1948.501	2088699.036	6023706.406	0	RS-700	-1.25471018868
10579	-122.360	37.716	2043.739	2088699.754	6023705.119	0	RS-700	-0.65572993711
10580	-122.360	37.716	2038.041	2088700.469	6023703.947	0	RS-700	-0.69156433962
10581	-122.360	37.716	2001.530	2088701.443	6023702.577	0	RS-700	-0.92119433962
10582	-122.360	37.717	2115.880	2088702.454	6023701.180	0	RS-700	-0.20201251572
10583	-122.360	37.717	2120.973	2088703.578	6023699.611	0	RS-700	-0.16997918239
10584	-122.360	37.717	2106.759	2088704.667	6023697.984	0	RS-700	-0.25937918239
10585	-122.360	37.717	2036.730	2088705.868	6023696.185	0	RS-700	-0.69981389937
10586	-122.360	37.717	2084.959	2088707.107	6023694.300	0	RS-700	-0.39648540881
10587	-122.360	37.717	2119.867	2088708.420	6023692.388	0	RS-700	-0.17693817610
10588	-122.360	37.717	1936.687	2088709.842	6023690.478	0	RS-700	-1.32901490566
10589	-122.360	37.717	2012.826	2088714.922	6023687.743	0	RS-700	-0.85015396226
10590	-122.360	37.717	2103.543	2088712.896	6023687.038	0	RS-700	-0.27960534591
10591	-122.360	37.717	2054.624	2088714.095	6023685.384	0	RS-700	-0.58726767296
10592	-122.360	37.717	2049.837	2088715.331	6023683.643	0	RS-700	-0.61737540881
10593	-122.360	37.717	2060.536	2088716.607	6023681.759	0	RS-700	-0.55008723270
10594	-122.360	37.717	1990.021	2088717.954	6023679.935	0	RS-700	-0.99358163522
10595	-122.360	37.717	2004.214	2088719.374	6023678.111	0	RS-700	-0.90431226415
10596	-122.360	37.717	1957.791	2088720.869	6023676.203	0	RS-700	-1.19628503145
10597	-122.360	37.717	2014.602	2088722.361	6023674.439	0	RS-700	-0.83898408805
10598	-122.360	37.717	2009.920	2088723.813	6023672.847	0	RS-700	-0.86842490566
10599	-122.360	37.717	1996.417	2088725.096	6023670.587	0	RS-700	-0.95335006289
10600	-122.360	37.717	1974.808	2088726.027	6023669.564	0	RS-700	-1.08926100629
10601	-122.360	37.717	1993.931	2088726.586	6023668.939	0	RS-700	-0.96898616352
10602	-122.360	37.717	2028.714	2088726.808	6023668.741	0	RS-700	-0.75022855346
10603	-122.360	37.717	2048.951	2088726.735	6023668.768	0	RS-700	-0.62294773585
10604	-122.360	37.717	2016.825	2088726.735	6023668.739	0	RS-700	-0.82500075472
10605	-122.360	37.717	2009.924	2088726.735	6023668.739	0	RS-700	-0.86840295598
10606	-122.360	37.717	2034.720	2088726.772	6023668.711	0	RS-700	-0.71245415094
10607	-122.360	37.717	1974.709	2088726.772	6023668.711	0	RS-700	-1.08987930818
10608	-122.360	37.717	1987.709	2088726.833	6023669.291	0	RS-700	-1.00811905660
10609	-122.360	37.717	1998.324	2088727.766	6023668.181	0	RS-700	-0.94135698113
10610	-122.360	37.717	1988.723	2088729.106	6023666.704	0	RS-700	-1.00174194969
10611	-122.360	37.717	1988.830	2088730.562	6023664.939	0	RS-700	-1.00106899371
10612	-122.360	37.717	1844.754	2088732.092	6023663.089	0	RS-700	-1.90720465409
10613	-122.360	37.717	1912.211	2088733.672	6023660.545	0	RS-700	-1.48295150943
10614	-122.360	37.717	1884.754	2088735.089	6023658.895	0	RS-700	-1.65563742138
10615	-122.360	37.717	1907.585	2088736.541	6023657.275	0	RS-700	-1.51204509434
10616	-122.360	37.717	1991.714	2088738.177	6023655.601	0	RS-700	-0.98293094340
10617	-122.360	37.717	2013.623	2088739.624	6023654.241	0	RS-700	-0.84513968554
10618	-122.360	37.717	1979.816	2088741.121	6023652.246	0	RS-700	-1.05775886792
10619	-122.360	37.717	2021.632	2088742.503	6023650.508	0	RS-700	-0.79476849057

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10620	-122.360	37.717	1994.816	2088743.933	6023648.193	0	RS-700	-0.96342207547
10621	-122.360	37.717	1949.696	2088745.317	6023646.340	0	RS-700	-1.24719578616
10622	-122.360	37.717	2015.623	2088746.774	6023644.489	0	RS-700	-0.83255716981
10623	-122.360	37.717	2059.533	2088748.074	6023643.242	0	RS-700	-0.55639641509
10624	-122.360	37.717	1985.127	2088749.530	6023641.448	0	RS-700	-1.02435893082
10625	-122.360	37.717	1998.920	2088750.982	6023639.828	0	RS-700	-0.93761062893
10626	-122.360	37.717	2068.647	2088752.520	6023637.602	0	RS-700	-0.49907754717
10627	-122.360	37.717	2148.560	2088753.832	6023635.719	0	RS-700	0.00352113208
10628	-122.360	37.717	2048.038	2088754.999	6023633.775	0	RS-700	-0.62869025157
10629	-122.360	37.717	2038.135	2088756.305	6023632.238	0	RS-700	-0.69097389937
10630	-122.360	37.717	2063.049	2088757.691	6023630.299	0	RS-700	-0.53428452830
10631	-122.360	37.717	2074.640	2088759.260	6023628.305	0	RS-700	-0.46138119497
10632	-122.360	37.717	2012.625	2088760.721	6023626.280	0	RS-700	-0.85141823899
10633	-122.360	37.717	2013.745	2088762.108	6023624.282	0	RS-700	-0.84436924528
10634	-122.360	37.717	2033.320	2088763.505	6023621.793	0	RS-700	-0.72125993711
10635	-122.360	37.717	2116.287	2088764.961	6023619.999	0	RS-700	-0.19945006289
10636	-122.360	37.717	1992.413	2088766.444	6023618.669	0	RS-700	-0.97853383648
10637	-122.360	37.717	2010.623	2088767.903	6023616.702	0	RS-700	-0.86400465409
10638	-122.360	37.717	1988.813	2088769.433	6023614.881	0	RS-700	-1.00117389937
10639	-122.360	37.717	2022.028	2088771.000	6023612.973	0	RS-700	-0.79227899371
10640	-122.360	37.717	1971.608	2088772.568	6023611.037	0	RS-700	-1.10938270440
10641	-122.360	37.717	2026.923	2088774.066	6023608.984	0	RS-700	-0.76148899371
10642	-122.360	37.717	2080.956	2088775.489	6023607.016	0	RS-700	-0.42166006289
10643	-122.360	37.717	2095.851	2088776.764	6023605.161	0	RS-700	-0.32797867925
10644	-122.360	37.717	2045.529	2088778.222	6023603.252	0	RS-700	-0.64447201258
10645	-122.360	37.717	2157.210	2088779.643	6023601.399	0	RS-700	0.05792245283
10646	-122.360	37.717	2023.727	2088781.064	6023599.547	0	RS-700	-0.78159157233
10647	-122.360	37.717	2057.632	2088782.523	6023597.609	0	RS-700	-0.56835081761
10648	-122.360	37.717	2054.634	2088783.916	6023595.293	0	RS-700	-0.58720459120
10649	-122.360	37.717	2083.633	2088785.153	6023593.524	0	RS-700	-0.40482308176
10650	-122.360	37.717	2057.266	2088786.427	6023591.756	0	RS-700	-0.57065314465
10651	-122.360	37.717	2027.726	2088787.849	6023589.817	0	RS-700	-0.75644094340
10652	-122.360	37.717	2071.930	2088789.339	6023588.168	0	RS-700	-0.47842660377
10653	-122.360	37.717	2034.833	2088790.835	6023586.202	0	RS-700	-0.71173949686
10654	-122.360	37.717	1937.510	2088792.291	6023584.408	0	RS-700	-1.32383698113
10655	-122.360	37.717	1932.785	2088793.819	6023582.645	0	RS-700	-1.35355251572
10656	-122.360	37.717	1986.813	2088795.430	6023580.391	0	RS-700	-1.01375710692
10657	-122.360	37.717	2071.641	2088797.032	6023578.572	0	RS-700	-0.48024452830
10658	-122.360	37.717	2078.966	2088798.414	6023576.806	0	RS-700	-0.43417861635
10659	-122.360	37.717	2089.754	2088799.723	6023575.096	0	RS-700	-0.36632893082
10660	-122.360	37.717	2089.449	2088801.032	6023573.357	0	RS-700	-0.36824415094
10661	-122.360	37.717	1956.900	2088802.119	6023571.816	0	RS-700	-1.20188471698
10662	-122.360	37.717	2114.861	2088803.017	6023570.619	0	RS-700	-0.20841943396
10663	-122.360	37.717	2089.646	2088803.763	6023569.708	0	RS-700	-0.36700886793
10664	-122.360	37.717	2054.044	2088804.325	6023568.938	0	RS-700	-0.59092075472

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10665	-122.360	37.717	2003.718	2088804.624	6023568.568	0	RS-700	-0.90743522013
10666	-122.360	37.717	2008.619	2088804.660	6023568.569	0	RS-700	-0.87660855346
10667	-122.360	37.717	2140.763	2088804.661	6023568.540	0	RS-700	-0.04551748428
10668	-122.360	37.717	2020.942	2088804.661	6023568.540	0	RS-700	-0.79910805031
10669	-122.360	37.717	2107.582	2088804.661	6023568.540	0	RS-700	-0.25419937107
10670	-122.360	37.717	2033.422	2088804.773	6023568.369	0	RS-700	-0.72061761006
10671	-122.360	37.717	2028.627	2088805.445	6023567.543	0	RS-700	-0.75077572327
10672	-122.360	37.717	2130.658	2088806.596	6023566.437	0	RS-700	-0.10906949686
10673	-122.360	37.717	1967.711	2088807.791	6023564.986	0	RS-700	-1.13389515723
10674	-122.360	37.717	2029.731	2088808.948	6023563.533	0	RS-700	-0.74383069182
10675	-122.360	37.717	2080.856	2088810.299	6023561.564	0	RS-700	-0.42229062893
10676	-122.360	37.717	2061.157	2088811.755	6023559.770	0	RS-700	-0.54618358491
10677	-122.360	37.717	2138.081	2088813.174	6023558.005	0	RS-700	-0.06238427673
10678	-122.361	37.717	1971.003	2088814.555	6023556.296	0	RS-700	-1.11318610063
10679	-122.361	37.717	2106.185	2088815.901	6023554.558	0	RS-700	-0.26298540881
10680	-122.361	37.717	2060.635	2088817.170	6023552.993	0	RS-700	-0.54946289308
10681	-122.361	37.717	2125.202	2088818.513	6023551.399	0	RS-700	-0.14338496855
10682	-122.361	37.717	2173.104	2088819.822	6023549.689	0	RS-700	0.15788465409
10683	-122.361	37.717	2155.102	2088820.980	6023548.208	0	RS-700	0.04466691824
10684	-122.361	37.717	2236.249	2088822.218	6023546.410	0	RS-700	0.55502415094
10685	-122.361	37.717	2299.941	2088823.347	6023544.581	0	RS-700	0.95560194969
10686	-122.361	37.717	2228.468	2088824.808	6023542.498	0	RS-700	0.50608761006
10687	-122.361	37.717	2328.719	2088826.558	6023540.565	0	RS-700	1.13659993711
10688	-122.361	37.717	2140.317	2088828.091	6023538.600	0	RS-700	-0.04831767296
10689	-122.361	37.717	2117.104	2088829.732	6023536.665	0	RS-700	-0.19431477987
10690	-122.361	37.717	2016.714	2088831.190	6023534.756	0	RS-700	-0.82569861635
10691	-122.361	37.717	1999.817	2088832.718	6023532.992	0	RS-700	-0.93197125786
10692	-122.361	37.717	2177.567	2088834.171	6023531.343	0	RS-700	0.18595408805
10693	-122.361	37.717	2163.902	2088835.620	6023529.926	0	RS-700	0.10001094340
10694	-122.361	37.717	2062.741	2088837.037	6023528.247	0	RS-700	-0.53621974843
10695	-122.361	37.717	2022.827	2088838.490	6023526.627	0	RS-700	-0.78725207547
10696	-122.361	37.717	1890.583	2088839.830	6023525.149	0	RS-700	-1.61897477987
10697	-122.361	37.717	2006.916	2088841.322	6023523.385	0	RS-700	-0.88731918239
10698	-122.361	37.717	1987.714	2088842.851	6023521.593	0	RS-700	-1.00809088050
10699	-122.361	37.717	2051.354	2088844.344	6023519.771	0	RS-700	-0.60783735849
10700	-122.361	37.717	1982.710	2088845.877	6023517.747	0	RS-700	-1.03956182390
10701	-122.361	37.717	2022.621	2088847.451	6023515.522	0	RS-700	-0.78854729560
10702	-122.361	37.717	2014.924	2088848.972	6023514.106	0	RS-700	-0.83695691824
10703	-122.361	37.717	2035.325	2088850.467	6023512.197	0	RS-700	-0.70865031447
10704	-122.361	37.717	1951.797	2088851.813	6023510.459	0	RS-700	-1.23397987421
10705	-122.361	37.717	1990.815	2088853.124	6023508.634	0	RS-700	-0.98858610063
10706	-122.361	37.717	2043.832	2088854.324	6023506.893	0	RS-700	-0.65514157233
10707	-122.361	37.717	2010.817	2088855.372	6023505.438	0	RS-700	-0.86278930818
10708	-122.361	37.717	2043.556	2088855.824	6023504.695	0	RS-700	-0.65688270440
10709	-122.361	37.717	2019.217	2088855.973	6023504.524	0	RS-700	-0.80995333333

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10710	-122.361	37.717	1979.798	2088855.973	6023504.553	0	RS-700	-1.05787371069
10711	-122.361	37.717	2000.321	2088855.973	6023504.524	0	RS-700	-0.92879610063
10712	-122.361	37.717	2006.717	2088856.010	6023504.525	0	RS-700	-0.88857421384
10713	-122.361	37.717	2010.312	2088856.010	6023504.496	0	RS-700	-0.86596062893
10714	-122.361	37.717	2082.958	2088856.010	6023504.496	0	RS-700	-0.40907000000
10715	-122.361	37.717	2056.640	2088856.010	6023504.496	0	RS-700	-0.57459251572
10716	-122.361	37.717	2035.232	2088856.010	6023504.496	0	RS-700	-0.70922968554
10717	-122.361	37.717	2075.164	2088856.011	6023504.467	0	RS-700	-0.45808981132
10718	-122.361	37.717	2021.027	2088856.047	6023504.468	0	RS-700	-0.79857427673
10719	-122.361	37.717	2045.315	2088856.048	6023504.439	0	RS-700	-0.64582050315
10720	-122.361	37.717	2097.858	2088856.393	6023503.578	0	RS-700	-0.31535924528
10721	-122.361	37.717	1917.690	2088856.915	6023502.952	0	RS-700	-1.44848748428
10722	-122.361	37.717	2021.414	2088857.363	6023502.382	0	RS-700	-0.79613528302
10723	-122.361	37.717	2049.276	2088857.363	6023502.382	0	RS-700	-0.62090616352
10724	-122.361	37.717	2015.322	2088857.401	6023502.325	0	RS-700	-0.83445484277
10725	-122.361	37.717	2010.523	2088857.325	6023502.497	0	RS-700	-0.86463672956
10726	-122.361	37.717	2005.423	2088857.401	6023502.325	0	RS-700	-0.89670981132
10727	-122.361	37.717	1821.107	2088857.812	6023501.784	0	RS-700	-2.05593176101
10728	-122.361	37.717	1864.033	2088858.108	6023501.558	0	RS-700	-1.78595308176
10729	-122.361	37.717	1940.404	2088858.070	6023501.644	0	RS-700	-1.30563345912
10730	-122.361	37.717	1993.912	2088857.885	6023501.785	0	RS-700	-0.96910786164
10731	-122.361	37.717	1679.266	2088858.145	6023501.530	0	RS-700	-2.94801081761
10732	-122.361	37.717	1628.912	2088858.444	6023501.131	0	RS-700	-3.26470289308
10733	-122.361	37.717	1814.378	2088858.629	6023500.990	0	RS-700	-2.09825169811
10734	-122.361	37.717	1767.545	2088858.928	6023500.620	0	RS-700	-2.39280138365
10735	-122.361	37.717	1800.375	2088858.822	6023500.444	0	RS-700	-2.18631836478
10736	-122.361	37.717	1797.191	2088861.897	6023499.637	0	RS-700	-2.20634559748
10737	-122.361	37.717	2058.282	2088859.528	6023499.735	0	RS-700	-0.56426169811
10738	-122.361	37.717	2044.327	2088860.948	6023497.940	0	RS-700	-0.65203421384
10739	-122.361	37.717	2205.574	2088862.249	6023496.607	0	RS-700	0.36210132076
10740	-122.361	37.717	2113.434	2088862.857	6023495.346	0	RS-700	-0.21739823899
10741	-122.361	37.717	2071.845	2088863.039	6023493.498	0	RS-700	-0.47895943396
10742	-122.361	37.717	2156.556	2088862.273	6023491.718	0	RS-700	0.05381119497
10743	-122.361	37.717	1974.907	2088861.025	6023490.420	0	RS-700	-1.08863635220
10744	-122.361	37.717	1985.315	2088860.339	6023490.117	0	RS-700	-1.02317798742
10745	-122.361	37.717	2022.726	2088860.960	6023490.014	0	RS-700	-0.78788930818
10746	-122.361	37.717	2014.933	2088862.465	6023489.407	0	RS-700	-0.83690138365
10747	-122.361	37.717	2117.867	2088864.230	6023488.574	0	RS-700	-0.18951295598
10748	-122.361	37.717	2081.854	2088865.483	6023487.818	0	RS-700	-0.41601050315
10749	-122.361	37.717	2088.869	2088866.256	6023487.428	0	RS-700	-0.37189169811
10750	-122.361	37.717	2119.087	2088866.402	6023487.374	0	RS-700	-0.18184081761
10751	-122.361	37.717	2179.000	2088866.292	6023487.429	0	RS-700	0.19496792453
10752	-122.361	37.717	2160.338	2088866.292	6023487.429	0	RS-700	0.07760050314
10753	-122.361	37.717	2148.205	2088866.256	6023487.428	0	RS-700	0.00128735849
10754	-122.361	37.717	2125.449	2088869.374	6023486.304	0	RS-700	-0.14182962264

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10755	-122.361	37.717	2186.236	2088869.411	6023486.276	0	RS-700	0.24047905660
10756	-122.361	37.717	2216.008	2088869.411	6023486.276	0	RS-700	0.42772358491
10757	-122.361	37.717	2158.669	2088869.447	6023486.277	0	RS-700	0.06710094340
10758	-122.361	37.717	2157.304	2088869.411	6023486.247	0	RS-700	0.05851415094
10759	-122.361	37.717	2172.455	2088869.448	6023486.248	0	RS-700	0.15380742138
10760	-122.361	37.717	2175.889	2088869.448	6023486.219	0	RS-700	0.17540207547
10761	-122.361	37.717	2160.443	2088869.412	6023486.218	0	RS-700	0.07825515723
10762	-122.361	37.717	2116.437	2088869.412	6023486.189	0	RS-700	-0.19850641509
10763	-122.361	37.717	2192.898	2088869.449	6023486.190	0	RS-700	0.28237559748
10764	-122.361	37.717	2101.956	2088869.485	6023486.191	0	RS-700	-0.28958509434
10765	-122.361	37.717	2207.683	2088865.964	6023487.452	0	RS-700	0.37536566038
10766	-122.361	37.717	2203.022	2088865.891	6023487.450	0	RS-700	0.34605207547
10767	-122.361	37.717	2068.534	2088865.892	6023487.421	0	RS-700	-0.49978345912
10768	-122.361	37.717	2216.235	2088865.928	6023487.422	0	RS-700	0.42915270440
10769	-122.361	37.717	2145.093	2088865.966	6023487.365	0	RS-700	-0.01828371069
10770	-122.361	37.717	2285.158	2088865.966	6023487.365	0	RS-700	0.86262943396
10771	-122.361	37.717	2203.568	2088865.966	6023487.336	0	RS-700	0.34948402516
10772	-122.361	37.717	2010.418	2088865.966	6023487.336	0	RS-700	-0.86529566038
10773	-122.361	37.717	2178.999	2088866.002	6023487.337	0	RS-700	0.19496522013
10774	-122.361	37.717	2163.772	2088866.002	6023487.337	0	RS-700	0.09919534591
10775	-122.361	37.717	2202.009	2088866.002	6023487.337	0	RS-700	0.33967962264
10776	-122.361	37.717	2178.109	2088866.002	6023487.337	0	RS-700	0.18936308176
10777	-122.361	37.717	2131.451	2088866.002	6023487.337	0	RS-700	-0.10408031447
10778	-122.361	37.717	2226.017	2088866.002	6023487.337	0	RS-700	0.49067578616
10779	-122.361	37.717	2246.690	2088865.819	6023487.420	0	RS-700	0.62069075472
10780	-122.361	37.717	2156.105	2088865.195	6023487.668	0	RS-700	0.05097421384
10781	-122.361	37.717	2156.103	2088864.605	6023488.003	0	RS-700	0.05096314465
10782	-122.361	37.717	2087.831	2088863.718	6023488.680	0	RS-700	-0.37842100629
10783	-122.361	37.717	2096.863	2088862.386	6023489.724	0	RS-700	-0.32161503145
10784	-122.361	37.717	2078.621	2088860.866	6023491.053	0	RS-700	-0.43634886793
10785	-122.361	37.717	1991.801	2088859.202	6023492.351	0	RS-700	-0.98238641509
10786	-122.361	37.717	2036.530	2088857.755	6023493.682	0	RS-700	-0.70107113208
10787	-122.361	37.717	1925.596	2088856.597	6023495.134	0	RS-700	-1.39876704403
10788	-122.361	37.717	1691.691	2088855.621	6023496.619	0	RS-700	-2.86986748428
10789	-122.361	37.717	1899.588	2088854.387	6023498.215	0	RS-700	-1.56233987421
10790	-122.361	37.717	1986.915	2088853.417	6023499.382	0	RS-700	-1.01311100629
10791	-122.361	37.717	2000.817	2088852.338	6023500.546	0	RS-700	-0.92567811321
10792	-122.361	37.717	2029.722	2088851.625	6023501.574	0	RS-700	-0.74388547170
10793	-122.361	37.717	2003.217	2088851.213	6023502.144	0	RS-700	-0.91058251572
10794	-122.361	37.717	1968.798	2088850.913	6023502.601	0	RS-700	-1.12705962264
10795	-122.361	37.717	2024.618	2088850.913	6023502.601	0	RS-700	-0.77598930818
10796	-122.361	37.717	2010.128	2088850.952	6023502.486	0	RS-700	-0.86711943396
10797	-122.361	37.717	1987.414	2088850.951	6023502.515	0	RS-700	-1.00997559748
10798	-122.361	37.717	2011.124	2088850.951	6023502.515	0	RS-700	-0.86085314465
10799	-122.361	37.717	2023.133	2088850.950	6023502.544	0	RS-700	-0.78532672956

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10800	-122.361	37.717	1977.214	2088850.763	6023502.801	0	RS-700	-1.07412603774
10801	-122.361	37.717	1917.690	2088850.053	6023503.741	0	RS-700	-1.44849138365
10802	-122.361	37.717	2061.743	2088849.043	6023505.052	0	RS-700	-0.54249610063
10803	-122.361	37.717	1886.365	2088847.961	6023506.361	0	RS-700	-1.64550597484
10804	-122.361	37.717	2025.449	2088846.953	6023507.585	0	RS-700	-0.77075836478
10805	-122.361	37.717	1937.509	2088846.021	6023508.666	0	RS-700	-1.32384559748
10806	-122.361	37.717	1990.828	2088845.231	6023509.952	0	RS-700	-0.98850402516
10807	-122.361	37.717	1968.610	2088845.061	6023511.164	0	RS-700	-1.12823792453
10808	-122.361	37.717	2071.950	2088845.261	6023512.123	0	RS-700	-0.47830000000
10809	-122.361	37.717	2022.834	2088845.315	6023513.049	0	RS-700	-0.78720672956
10810	-122.361	37.717	2092.533	2088845.148	6023514.117	0	RS-700	-0.34884698113
10811	-122.361	37.717	2078.444	2088844.473	6023515.087	0	RS-700	-0.43746176101
10812	-122.361	37.717	2081.850	2088843.582	6023515.937	0	RS-700	-0.41603597484
10813	-122.361	37.717	2028.731	2088842.688	6023516.961	0	RS-700	-0.75011641509
10814	-122.361	37.717	2139.335	2088841.826	6023518.188	0	RS-700	-0.05449716981
10815	-122.361	37.717	2044.925	2088841.041	6023519.213	0	RS-700	-0.64827081761
10816	-122.361	37.717	2048.040	2088840.444	6023519.896	0	RS-700	-0.62867830189
10817	-122.361	37.717	2057.842	2088840.145	6023520.324	0	RS-700	-0.56703415094
10818	-122.361	37.717	1965.019	2088839.994	6023520.552	0	RS-700	-1.15082452830
10819	-122.361	37.717	2005.620	2088839.996	6023520.466	0	RS-700	-0.89546861635
10820	-122.361	37.717	1987.315	2088840.071	6023520.380	0	RS-700	-1.01059798742
10821	-122.361	37.717	1962.509	2088840.070	6023520.409	0	RS-700	-1.16660893082
10822	-122.361	37.717	2051.839	2088840.071	6023520.380	0	RS-700	-0.60478427673
10823	-122.361	37.717	2006.821	2088840.071	6023520.380	0	RS-700	-0.88792050315
10824	-122.361	37.717	1988.014	2088840.071	6023520.380	0	RS-700	-1.00619981132
10825	-122.361	37.717	1982.009	2088840.071	6023520.351	0	RS-700	-1.04396628931
10826	-122.361	37.717	2012.822	2088840.071	6023520.380	0	RS-700	-0.85017622642
10827	-122.361	37.717	1968.794	2088840.107	6023520.381	0	RS-700	-1.12708056604
10828	-122.361	37.717	2007.903	2088840.108	6023520.352	0	RS-700	-0.88111069182
10829	-122.361	37.717	1945.602	2088840.108	6023520.352	0	RS-700	-1.27294440252
10830	-122.361	37.717	2048.632	2088840.108	6023520.352	0	RS-700	-0.62495786164
10831	-122.361	37.717	1922.788	2088840.108	6023520.352	0	RS-700	-1.41642805031
10832	-122.361	37.717	2022.524	2088840.071	6023520.351	0	RS-700	-0.78915679245
10833	-122.361	37.717	1959.602	2088840.072	6023520.322	0	RS-700	-1.18489540881
10834	-122.361	37.717	1931.494	2088839.884	6023520.608	0	RS-700	-1.36167383648
10835	-122.361	37.717	2036.425	2088839.024	6023521.748	0	RS-700	-0.70173194969
10836	-122.361	37.717	2073.951	2088837.683	6023523.255	0	RS-700	-0.46571943396
10837	-122.361	37.717	1998.519	2088836.265	6023524.962	0	RS-700	-0.94013301887
10838	-122.361	37.717	2066.743	2088834.520	6023526.606	0	RS-700	-0.51105345912
10839	-122.361	37.717	1984.423	2088832.700	6023528.421	0	RS-700	-1.02878389937
10840	-122.361	37.717	1972.002	2088831.419	6023530.565	0	RS-700	-1.10690641509
10841	-122.361	37.717	2083.225	2088830.069	6023532.506	0	RS-700	-0.40738786164
10842	-122.361	37.717	2166.220	2088828.431	6023534.296	0	RS-700	0.11458962264
10843	-122.361	37.717	2231.135	2088827.046	6023536.178	0	RS-700	0.52286433962
10844	-122.361	37.717	2304.165	2088825.623	6023538.175	0	RS-700	0.98217270440



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10845	-122.361	37.717	2282.706	2088823.980	6023540.225	0	RS-700	0.84721000000
10846	-122.361	37.717	2317.061	2088822.300	6023542.275	0	RS-700	1.06327540881
10847	-122.361	37.717	2123.763	2088820.803	6023544.270	0	RS-700	-0.15243220126
10848	-122.361	37.717	2152.343	2088819.524	6023546.356	0	RS-700	0.02731515723
10849	-122.361	37.717	2144.413	2088818.168	6023548.586	0	RS-700	-0.02256062893
10850	-122.361	37.717	2139.089	2088816.668	6023550.755	0	RS-700	-0.05604119497
10851	-122.361	37.717	2109.079	2088815.026	6023552.747	0	RS-700	-0.24478735849
10852	-122.361	37.717	2032.032	2088813.929	6023554.809	0	RS-700	-0.72935641509
10853	-122.360	37.717	2116.308	2088812.795	6023556.927	0	RS-700	-0.19931924528
10854	-122.360	37.717	2094.538	2088811.444	6023558.925	0	RS-700	-0.33624069182
10855	-122.360	37.717	1920.978	2088810.203	6023560.868	0	RS-700	-1.42781352201
10856	-122.360	37.717	2081.965	2088809.002	6023562.666	0	RS-700	-0.41531666667
10857	-122.360	37.717	2061.956	2088807.623	6023564.259	0	RS-700	-0.54115817610
10858	-122.360	37.717	2105.340	2088806.351	6023565.970	0	RS-700	-0.26830396226
10859	-122.360	37.717	2072.839	2088804.897	6023567.648	0	RS-700	-0.47271188679
10860	-122.360	37.717	2080.643	2088803.476	6023569.500	0	RS-700	-0.42362974843
10861	-122.360	37.717	2056.629	2088802.201	6023571.355	0	RS-700	-0.57465981132
10862	-122.360	37.717	2049.254	2088800.927	6023573.152	0	RS-700	-0.62104452830
10863	-122.360	37.717	2013.324	2088799.582	6023574.861	0	RS-700	-0.84701578616
10864	-122.360	37.717	2031.728	2088798.162	6023576.685	0	RS-700	-0.73126798742
10865	-122.360	37.717	2056.844	2088796.597	6023578.447	0	RS-700	-0.57330716981
10866	-122.360	37.717	1940.086	2088795.212	6023580.358	0	RS-700	-1.30763754717
10867	-122.360	37.717	1978.022	2088793.867	6023582.038	0	RS-700	-1.06904264151
10868	-122.360	37.717	2028.731	2088792.488	6023583.631	0	RS-700	-0.75011811321
10869	-122.360	37.717	2050.428	2088791.329	6023585.141	0	RS-700	-0.61366289308
10870	-122.360	37.717	2010.721	2088790.424	6023586.686	0	RS-700	-0.86339037736
10871	-122.360	37.717	1967.801	2088789.154	6023588.280	0	RS-700	-1.13332748428
10872	-122.360	37.717	2040.346	2088787.703	6023589.843	0	RS-700	-0.67706962264
10873	-122.360	37.717	2094.432	2088786.285	6023591.550	0	RS-700	-0.33690314465
10874	-122.360	37.717	2121.870	2088784.867	6023593.287	0	RS-700	-0.16433899371
10875	-122.360	37.717	2098.437	2088783.447	6023595.081	0	RS-700	-0.31171515723
10876	-122.360	37.717	2081.643	2088782.028	6023596.847	0	RS-700	-0.41734245283
10877	-122.360	37.717	2081.876	2088780.754	6023598.644	0	RS-700	-0.41587352201
10878	-122.360	37.717	2070.053	2088779.337	6023600.323	0	RS-700	-0.49023358491
10879	-122.360	37.717	2007.027	2088778.142	6023601.803	0	RS-700	-0.88662213837
10880	-122.360	37.717	1986.612	2088777.021	6023603.228	0	RS-700	-1.01501716981
10881	-122.360	37.717	1892.584	2088775.973	6023604.653	0	RS-700	-1.60638729560
10882	-122.360	37.717	2003.618	2088774.922	6023606.224	0	RS-700	-0.90806169811
10883	-122.360	37.717	1963.705	2088773.872	6023607.765	0	RS-700	-1.15908603774
10884	-122.360	37.717	1971.312	2088772.785	6023609.277	0	RS-700	-1.11124603774
10885	-122.360	37.717	2029.424	2088771.587	6023610.931	0	RS-700	-0.74576289308
10886	-122.360	37.717	2041.838	2088770.388	6023612.614	0	RS-700	-0.66768358491
10887	-122.360	37.717	1878.581	2088769.186	6023614.471	0	RS-700	-1.69445710692
10888	-122.360	37.717	2008.022	2088767.843	6023616.064	0	RS-700	-0.88036358491
10889	-122.360	37.717	1981.514	2088766.502	6023617.571	0	RS-700	-1.04708352201

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10890	-122.360	37.717	2058.532	2088765.018	6023618.930	0	RS-700	-0.56269308176
10891	-122.360	37.717	2111.180	2088763.529	6023620.549	0	RS-700	-0.23157465409
10892	-122.360	37.717	2056.048	2088762.184	6023622.287	0	RS-700	-0.57831150943
10893	-122.360	37.717	1964.794	2088760.987	6023623.884	0	RS-700	-1.15224119497
10894	-122.360	37.717	1928.695	2088759.866	6023625.279	0	RS-700	-1.37927534591
10895	-122.360	37.717	2102.757	2088758.933	6023626.418	0	RS-700	-0.28454779874
10896	-122.360	37.717	2045.626	2088758.152	6023627.270	0	RS-700	-0.64386465409
10897	-122.360	37.717	1960.312	2088757.779	6023627.697	0	RS-700	-1.18042522013
10898	-122.360	37.717	2072.370	2088757.666	6023627.868	0	RS-700	-0.47566088050
10899	-122.360	37.717	2080.643	2088757.666	6023627.868	0	RS-700	-0.42362968554
10900	-122.360	37.717	2046.631	2088757.666	6023627.868	0	RS-700	-0.63754094340
10901	-122.360	37.717	2007.319	2088757.666	6023627.868	0	RS-700	-0.88478836478
10902	-122.360	37.717	2124.972	2088757.630	6023627.867	0	RS-700	-0.14483226415
10903	-122.360	37.717	2086.857	2088757.666	6023627.868	0	RS-700	-0.38454622642
10904	-122.360	37.717	2042.733	2088757.630	6023627.867	0	RS-700	-0.66205433962
10905	-122.360	37.717	2047.530	2088757.629	6023627.896	0	RS-700	-0.63188679245
10906	-122.360	37.717	2002.910	2088757.629	6023627.896	0	RS-700	-0.91251465409
10907	-122.360	37.717	1954.506	2088757.630	6023627.867	0	RS-700	-1.21694358491
10908	-122.360	37.717	2031.523	2088757.629	6023627.896	0	RS-700	-0.73255993711
10909	-122.360	37.717	2136.767	2088757.666	6023627.897	0	RS-700	-0.07064603774
10910	-122.360	37.717	2039.931	2088757.629	6023627.896	0	RS-700	-0.67968169811
10911	-122.360	37.717	2033.525	2088757.666	6023627.897	0	RS-700	-0.71996811321
10912	-122.360	37.717	2050.043	2088757.666	6023627.868	0	RS-700	-0.61608396226
10913	-122.360	37.717	2090.753	2088757.666	6023627.868	0	RS-700	-0.36004446541
10914	-122.360	37.717	2081.863	2088757.666	6023627.868	0	RS-700	-0.41595666667
10915	-122.360	37.717	2075.758	2088757.666	6023627.868	0	RS-700	-0.45435484277
10916	-122.360	37.717	2035.057	2088757.666	6023627.868	0	RS-700	-0.71033176101
10917	-122.360	37.717	1989.209	2088757.666	6023627.868	0	RS-700	-0.99868817610
10918	-122.360	37.717	2050.839	2088757.666	6023627.868	0	RS-700	-0.61107264151
10919	-122.360	37.717	2049.530	2088757.666	6023627.868	0	RS-700	-0.61930572327
10920	-122.360	37.717	2090.485	2088757.666	6023627.868	0	RS-700	-0.36173201258
10921	-122.360	37.717	2082.153	2088757.666	6023627.868	0	RS-700	-0.41413081761
10922	-122.360	37.717	2050.323	2088757.666	6023627.868	0	RS-700	-0.61432113208
10923	-122.360	37.717	2074.641	2088757.666	6023627.868	0	RS-700	-0.46137924528
10924	-122.360	37.717	2096.282	2088757.666	6023627.868	0	RS-700	-0.32526924528
10925	-122.360	37.717	2153.986	2088757.666	6023627.868	0	RS-700	0.03764490566
10926	-122.360	37.717	2067.744	2088757.666	6023627.868	0	RS-700	-0.50475559748
10927	-122.360	37.717	2023.626	2088757.666	6023627.868	0	RS-700	-0.78222930818
10928	-122.360	37.717	2051.427	2088757.666	6023627.868	0	RS-700	-0.60737955975
10929	-122.360	37.717	2078.162	2088757.667	6023627.839	0	RS-700	-0.43923490566
10930	-122.360	37.717	2068.845	2088757.630	6023627.867	0	RS-700	-0.49782849057
10931	-122.360	37.717	2010.721	2088757.630	6023627.867	0	RS-700	-0.86339301887
10932	-122.360	37.717	2067.950	2088757.630	6023627.867	0	RS-700	-0.50345616352
10933	-122.360	37.717	2015.421	2088757.630	6023627.867	0	RS-700	-0.83383333333
10934	-122.360	37.717	2089.535	2088757.666	6023627.868	0	RS-700	-0.36770276730

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10935	-122.360	37.717	2039.832	2088757.666	6023627.868	0	RS-700	-0.68030194969
10936	-122.360	37.717	2065.736	2088757.666	6023627.868	0	RS-700	-0.51738641509
10937	-122.360	37.717	2058.362	2088757.667	6023627.839	0	RS-700	-0.56376113208
10938	-122.360	37.717	1962.797	2088757.667	6023627.839	0	RS-700	-1.16480150943
10939	-122.360	37.717	2083.856	2088757.667	6023627.810	0	RS-700	-0.40341949686
10940	-122.360	37.717	2044.041	2088757.667	6023627.810	0	RS-700	-0.65383069182
10941	-122.360	37.717	2047.627	2088757.668	6023627.781	0	RS-700	-0.63127981132
10942	-122.360	37.717	2065.844	2088757.631	6023627.809	0	RS-700	-0.51670666667
10943	-122.360	37.717	1950.406	2088757.668	6023627.781	0	RS-700	-1.24272672956
10944	-122.360	37.717	2036.415	2088757.668	6023627.781	0	RS-700	-0.70179132076
10945	-122.360	37.717	2021.421	2088757.668	6023627.781	0	RS-700	-0.79609691824
10946	-122.360	37.717	1991.407	2088757.668	6023627.781	0	RS-700	-0.98486144654
10947	-122.360	37.717	2030.323	2088757.668	6023627.781	0	RS-700	-0.74010874214
10948	-122.360	37.717	2016.926	2088757.668	6023627.781	0	RS-700	-0.82436402516
10949	-122.360	37.717	2059.848	2088757.668	6023627.781	0	RS-700	-0.55441364780
10950	-122.360	37.717	2020.523	2088757.668	6023627.781	0	RS-700	-0.80174433962
10951	-122.360	37.717	2049.633	2088757.668	6023627.781	0	RS-700	-0.61865893082
10952	-122.360	37.717	2082.539	2088757.631	6023627.809	0	RS-700	-0.41170515723
10953	-122.360	37.717	2092.063	2088757.481	6023628.009	0	RS-700	-0.35180446541
10954	-122.360	37.717	1971.815	2088757.333	6023628.151	0	RS-700	-1.10807987421
10955	-122.360	37.717	2020.028	2088757.258	6023628.236	0	RS-700	-0.80485496855
10956	-122.360	37.717	2058.636	2088757.109	6023628.406	0	RS-700	-0.56204075472
10957	-122.360	37.717	2032.223	2088757.035	6023628.492	0	RS-700	-0.72815786164
10958	-122.360	37.717	2082.536	2088757.034	6023628.521	0	RS-700	-0.41172176101
10959	-122.360	37.717	2014.420	2088756.998	6023628.520	0	RS-700	-0.84012496855
10960	-122.360	37.717	2023.229	2088756.998	6023628.520	0	RS-700	-0.78472308176
10961	-122.360	37.717	1955.310	2088756.998	6023628.520	0	RS-700	-1.21188861635
10962	-122.360	37.717	2081.642	2088757.034	6023628.521	0	RS-700	-0.41734817610
10963	-122.360	37.717	1965.703	2088756.998	6023628.520	0	RS-700	-1.14652301887
10964	-122.360	37.717	1998.819	2088757.034	6023628.521	0	RS-700	-0.93824572327
10965	-122.360	37.717	2058.044	2088757.034	6023628.521	0	RS-700	-0.56576402516
10966	-122.360	37.717	1990.811	2088756.998	6023628.520	0	RS-700	-0.98860792453
10967	-122.360	37.717	2057.947	2088757.034	6023628.521	0	RS-700	-0.56636849057
10968	-122.360	37.717	2050.833	2088757.034	6023628.521	0	RS-700	-0.61111496855
10969	-122.360	37.717	2101.651	2088757.034	6023628.521	0	RS-700	-0.29150100629
10970	-122.360	37.717	1955.695	2088757.034	6023628.521	0	RS-700	-1.20946767296
10971	-122.360	37.717	2049.427	2088757.034	6023628.550	0	RS-700	-0.61995352201
10972	-122.360	37.717	2099.749	2088757.034	6023628.550	0	RS-700	-0.30346716981
10973	-122.360	37.717	1998.996	2088757.034	6023628.550	0	RS-700	-0.93713157233
10974	-122.360	37.717	2075.846	2088757.034	6023628.521	0	RS-700	-0.45379660377
10975	-122.360	37.717	2103.400	2088757.033	6023628.579	0	RS-700	-0.28050534591
10976	-122.360	37.717	2037.530	2088756.810	6023628.806	0	RS-700	-0.69477943396
10977	-122.360	37.717	1988.812	2088756.437	6023629.232	0	RS-700	-1.00117974843
10978	-122.360	37.717	2040.627	2088755.762	6023630.202	0	RS-700	-0.67530471698
10979	-122.360	37.717	2013.929	2088754.748	6023631.773	0	RS-700	-0.84321138365

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
10980	-122.360	37.717	1982.102	2088753.729	6023633.547	0	RS-700	-1.04338094340
10981	-122.360	37.717	2042.834	2088752.711	6023635.291	0	RS-700	-0.66142056604
10982	-122.360	37.717	1973.214	2088751.700	6023636.689	0	RS-700	-1.09928408805
10983	-122.360	37.717	2054.740	2088750.690	6023638.057	0	RS-700	-0.58654182390
10984	-122.360	37.717	2089.061	2088749.788	6023639.428	0	RS-700	-0.37068553459
10985	-122.360	37.717	2032.732	2088748.926	6023640.684	0	RS-700	-0.72495295598
10986	-122.360	37.717	2085.748	2088747.991	6023641.909	0	RS-700	-0.39151968554
10987	-122.360	37.717	1937.214	2088747.020	6023643.134	0	RS-700	-1.32569987421
10988	-122.360	37.717	1995.911	2088745.975	6023644.386	0	RS-700	-0.95653496855
10989	-122.360	37.717	2028.730	2088745.075	6023645.699	0	RS-700	-0.75012415094
10990	-122.360	37.717	2006.820	2088743.476	6023647.345	0	RS-700	-0.88792433962
10991	-122.360	37.717	2044.632	2088742.429	6023648.713	0	RS-700	-0.65011201258
10992	-122.360	37.717	2051.742	2088741.379	6023650.226	0	RS-700	-0.60539371069
10993	-122.360	37.717	2035.931	2088740.259	6023651.621	0	RS-700	-0.70483874214
10994	-122.360	37.717	1915.881	2088739.209	6023653.133	0	RS-700	-1.45986792453
10995	-122.360	37.717	1897.779	2088738.124	6023654.616	0	RS-700	-1.57371987421
10996	-122.360	37.717	1949.432	2088736.891	6023656.154	0	RS-700	-1.24885452830
10997	-122.360	37.717	1973.509	2088735.770	6023657.578	0	RS-700	-1.09742654088
10998	-122.360	37.717	1955.323	2088734.647	6023659.118	0	RS-700	-1.21180716981
10999	-122.360	37.717	1923.496	2088733.633	6023660.660	0	RS-700	-1.41197522013
11000	-122.360	37.717	1944.588	2088732.365	6023662.197	0	RS-700	-1.27931811321
11001	-122.360	37.717	2047.838	2088731.279	6023663.680	0	RS-700	-0.62995157233
11002	-122.360	37.717	2077.536	2088730.048	6023665.160	0	RS-700	-0.44316849057
11003	-122.360	37.717	1979.623	2088728.893	6023666.468	0	RS-700	-1.05897540881
11004	-122.360	37.717	2058.943	2088727.923	6023667.635	0	RS-700	-0.56010811321
11005	-122.360	37.717	2029.526	2088727.177	6023668.517	0	RS-700	-0.74511880503
11006	-122.360	37.717	2028.034	2088726.691	6023669.115	0	RS-700	-0.75450163522
11007	-122.360	37.717	2102.644	2088726.356	6023669.484	0	RS-700	-0.28525641509
11008	-122.360	37.717	2006.021	2088726.356	6023669.513	0	RS-700	-0.89294811321
11009	-122.360	37.717	2016.531	2088726.356	6023669.513	0	RS-700	-0.82685106918
11010	-122.360	37.717	1998.217	2088726.356	6023669.484	0	RS-700	-0.94203289308
11011	-122.360	37.717	2013.824	2088726.356	6023669.484	0	RS-700	-0.84387603774
11012	-122.360	37.717	2137.446	2088726.356	6023669.484	0	RS-700	-0.06637962264
11013	-122.360	37.717	2003.418	2088726.356	6023669.484	0	RS-700	-0.90931987421
11014	-122.360	37.717	2094.860	2088726.357	6023669.455	0	RS-700	-0.33421339623
11015	-122.360	37.717	1992.514	2088726.357	6023669.455	0	RS-700	-0.97789641509
11016	-122.360	37.717	2035.630	2088726.320	6023669.454	0	RS-700	-0.70672666667
11017	-122.360	37.717	2038.343	2088726.283	6023669.483	0	RS-700	-0.68966886793
11018	-122.360	37.717	2015.420	2088726.283	6023669.483	0	RS-700	-0.83383654088
11019	-122.360	37.717	2068.945	2088726.247	6023669.482	0	RS-700	-0.49719874214
11020	-122.360	37.717	1992.814	2088726.246	6023669.511	0	RS-700	-0.97601490566
11021	-122.360	37.717	2001.516	2088726.246	6023669.511	0	RS-700	-0.92128371069
11022	-122.360	37.717	2010.823	2088726.210	6023669.510	0	RS-700	-0.86275157233
11023	-122.360	37.717	2035.728	2088726.246	6023669.511	0	RS-700	-0.70611056604
11024	-122.360	37.717	2075.427	2088726.246	6023669.511	0	RS-700	-0.45643188679

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11025	-122.360	37.717	2055.839	2088726.211	6023669.481	0	RS-700	-0.57963194969
11026	-122.360	37.717	2072.638	2088726.246	6023669.511	0	RS-700	-0.47397421384
11027	-122.360	37.717	2058.364	2088726.246	6023669.511	0	RS-700	-0.56375031447
11028	-122.360	37.717	1958.506	2088726.210	6023669.510	0	RS-700	-1.19178654088
11029	-122.360	37.717	2026.237	2088726.210	6023669.510	0	RS-700	-0.76580264151
11030	-122.360	37.717	2014.522	2088726.246	6023669.511	0	RS-700	-0.83948150943
11031	-122.360	37.717	2042.719	2088729.147	6023668.353	0	RS-700	-0.66214584906
11032	-122.360	37.717	1978.099	2088726.174	6023669.480	0	RS-700	-1.06855842767
11033	-122.360	37.717	2123.867	2088726.211	6023669.481	0	RS-700	-0.15177798742
11034	-122.360	37.717	1982.799	2088726.431	6023669.399	0	RS-700	-1.03900062893
11035	-122.360	37.717	2002.323	2088726.246	6023669.540	0	RS-700	-0.91621069182
11036	-122.360	37.717	1997.815	2088725.842	6023669.705	0	RS-700	-0.94455735849
11037	-122.360	37.717	2010.820	2088725.729	6023669.906	0	RS-700	-0.86276522013
11038	-122.360	37.717	1976.002	2088725.020	6023670.759	0	RS-700	-1.08174547170
11039	-122.360	37.717	2018.026	2088723.790	6023672.153	0	RS-700	-0.81744459120
11040	-122.360	37.717	2057.749	2088722.372	6023673.860	0	RS-700	-0.56761710692
11041	-122.360	37.717	1977.007	2088720.804	6023675.825	0	RS-700	-1.07542685535
11042	-122.360	37.717	2011.723	2088719.048	6023678.018	0	RS-700	-0.85709100629
11043	-122.360	37.717	2023.447	2088717.292	6023680.269	0	RS-700	-0.78335364780
11044	-122.360	37.717	2027.939	2088715.608	6023682.521	0	RS-700	-0.75509830189
11045	-122.360	37.717	2001.318	2088713.927	6023684.686	0	RS-700	-0.92252861635
11046	-122.360	37.717	1937.903	2088712.171	6023686.879	0	RS-700	-1.32136754717
11047	-122.360	37.717	1957.715	2088710.528	6023688.929	0	RS-700	-1.19676213836
11048	-122.360	37.717	2061.845	2088708.995	6023690.953	0	RS-700	-0.54185540881
11049	-122.360	37.717	2043.637	2088707.572	6023692.892	0	RS-700	-0.65636861635
11050	-122.360	37.717	2089.061	2088706.186	6023694.860	0	RS-700	-0.37068452830
11051	-122.360	37.717	2033.837	2088704.871	6023696.859	0	RS-700	-0.71800874214
11052	-122.360	37.717	2082.645	2088703.485	6023698.828	0	RS-700	-0.41104025157
11053	-122.360	37.716	1972.408	2088702.100	6023700.710	0	RS-700	-1.10434993711
11054	-122.360	37.716	1953.602	2088700.789	6023702.535	0	RS-700	-1.22262962264
11055	-122.360	37.716	1880.871	2088699.553	6023704.247	0	RS-700	-1.68005471698
11056	-122.360	37.716	1999.799	2088698.318	6023705.929	0	RS-700	-0.93208396226
11057	-122.360	37.716	1989.517	2088697.195	6023707.440	0	RS-700	-0.99675113208
11058	-122.360	37.716	1918.109	2088696.260	6023708.665	0	RS-700	-1.44585597484
11059	-122.360	37.716	1996.612	2088695.551	6023709.548	0	RS-700	-0.95212377359
11060	-122.360	37.716	1926.784	2088694.992	6023710.145	0	RS-700	-1.39129345912
11061	-122.360	37.716	1995.717	2088694.584	6023710.542	0	RS-700	-0.95775779874
11062	-122.360	37.716	2087.954	2088693.802	6023711.394	0	RS-700	-0.37764742138
11063	-122.360	37.716	1996.518	2088692.465	6023712.727	0	RS-700	-0.95271603774
11064	-122.360	37.716	2045.734	2088691.383	6023714.007	0	RS-700	-0.64318421384
11065	-122.360	37.716	1958.797	2088690.378	6023715.116	0	RS-700	-1.18995440252
11066	-122.360	37.716	2057.062	2088689.742	6023715.971	0	RS-700	-0.57193641509
11067	-122.360	37.716	2059.360	2088692.235	6023715.124	0	RS-700	-0.55748333333
11068	-122.360	37.716	2092.550	2088692.234	6023715.153	0	RS-700	-0.34874031447
11069	-122.360	37.716	2018.219	2088692.234	6023715.182	0	RS-700	-0.81623345912

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11070	-122.360	37.716	1997.513	2088692.197	6023715.210	0	RS-700	-0.94645735849
11071	-122.360	37.716	1952.605	2088692.196	6023715.239	0	RS-700	-1.22889911950
11072	-122.360	37.716	1877.483	2088689.699	6023716.288	0	RS-700	-1.70136402516
11073	-122.360	37.716	2036.833	2088689.699	6023716.288	0	RS-700	-0.69916415094
11074	-122.360	37.716	2003.520	2088692.196	6023715.268	0	RS-700	-0.90868031447
11075	-122.360	37.716	2017.630	2088692.195	6023715.297	0	RS-700	-0.81993509434
11076	-122.360	37.716	1947.412	2088689.586	6023716.460	0	RS-700	-1.26155773585
11077	-122.360	37.716	2015.723	2088688.910	6023717.517	0	RS-700	-0.83193283019
11078	-122.360	37.716	1962.607	2088687.862	6023718.942	0	RS-700	-1.16599371069
11079	-122.360	37.716	1955.706	2088686.809	6023720.571	0	RS-700	-1.20939572327
11080	-122.360	37.716	1993.621	2088685.685	6023722.168	0	RS-700	-0.97093761006
11081	-122.360	37.716	2063.853	2088684.450	6023723.822	0	RS-700	-0.52922584906
11082	-122.360	37.716	1971.609	2088683.255	6023725.331	0	RS-700	-1.10937761006
11083	-122.360	37.716	2017.218	2088681.947	6023727.012	0	RS-700	-0.82252823899
11084	-122.360	37.716	1995.717	2088680.678	6023728.549	0	RS-700	-0.95775754717
11085	-122.360	37.716	1912.579	2088679.411	6023730.000	0	RS-700	-1.48063264151
11086	-122.360	37.716	1972.906	2088677.161	6023731.459	0	RS-700	-1.10122207547
11087	-122.360	37.716	1984.611	2088675.930	6023732.910	0	RS-700	-1.02760679245
11088	-122.360	37.716	2049.732	2088674.624	6023734.475	0	RS-700	-0.61803553459
11089	-122.360	37.716	2108.440	2088673.611	6023735.960	0	RS-700	-0.24880245283
11090	-122.360	37.716	2120.436	2088672.600	6023737.357	0	RS-700	-0.17335798742
11091	-122.360	37.716	2105.650	2088671.621	6023738.987	0	RS-700	-0.26634943396
11092	-122.360	37.716	2084.851	2088670.460	6023740.613	0	RS-700	-0.39716062893
11093	-122.360	37.716	2055.842	2088669.120	6023742.062	0	RS-700	-0.57961314465
11094	-122.360	37.716	2192.676	2088667.706	6023743.567	0	RS-700	0.28097987421
11095	-122.360	37.716	2056.838	2088668.825	6023744.052	0	RS-700	-0.57334861635
11096	-122.360	37.716	2007.722	2088665.127	6023746.900	0	RS-700	-0.88225238994
11097	-122.360	37.716	1954.704	2088664.116	6023748.269	0	RS-700	-1.21570025157
11098	-122.360	37.716	2066.952	2088663.511	6023749.385	0	RS-700	-0.50973874214
11099	-122.360	37.716	1969.618	2088662.696	6023750.092	0	RS-700	-1.12189836478
11100	-122.360	37.716	1946.308	2088662.247	6023750.720	0	RS-700	-1.26850333333
11101	-122.360	37.716	1986.720	2088661.612	6023751.488	0	RS-700	-1.01433842767
11102	-122.360	37.716	1932.499	2088661.463	6023751.659	0	RS-700	-1.35535031447
11103	-122.360	37.716	2012.622	2088661.769	6023750.913	0	RS-700	-0.85143610063
11104	-122.360	37.716	1972.904	2088662.261	6023749.968	0	RS-700	-1.10123484277
11105	-122.360	37.716	1913.769	2088662.225	6023749.967	0	RS-700	-1.47315289308
11106	-122.360	37.716	1983.906	2088661.852	6023750.423	0	RS-700	-1.03204018868
11107	-122.360	37.716	1957.408	2088661.510	6023751.139	0	RS-700	-1.19869138365
11108	-122.360	37.716	1982.119	2088661.504	6023751.457	0	RS-700	-1.04327767296
11109	-122.360	37.716	1997.815	2088661.527	6023752.123	0	RS-700	-0.94455704403
11110	-122.360	37.716	2097.064	2088661.476	6023752.845	0	RS-700	-0.32035490566
11111	-122.360	37.716	2035.157	2088661.356	6023753.364	0	RS-700	-0.70970553459
11112	-122.360	37.716	1901.577	2088661.659	6023752.791	0	RS-700	-1.54983081761
11113	-122.360	37.716	1996.198	2088662.334	6023751.792	0	RS-700	-0.95472855346
11114	-122.360	37.716	2049.531	2088662.561	6023751.392	0	RS-700	-0.61930339623

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11115	-122.360	37.716	1923.883	2088662.294	6023751.994	0	RS-700	-1.40954220126
11116	-122.360	37.716	2005.519	2088661.807	6023752.678	0	RS-700	-0.89610874214
11117	-122.360	37.716	1973.892	2088661.394	6023753.278	0	RS-700	-1.09501974843
11118	-122.360	37.716	1972.818	2088661.245	6023753.448	0	RS-700	-1.10177345912
11119	-122.360	37.716	2067.640	2088660.758	6023754.133	0	RS-700	-0.50540924528
11120	-122.360	37.716	2085.199	2088659.713	6023755.414	0	RS-700	-0.39497509434
11121	-122.360	37.716	2115.228	2088658.481	6023756.923	0	RS-700	-0.20611496855
11122	-122.360	37.716	2123.183	2088657.061	6023758.746	0	RS-700	-0.15608333333
11123	-122.360	37.716	2111.769	2088658.174	6023759.550	0	RS-700	-0.22786993711
11124	-122.360	37.716	2202.222	2088654.067	6023762.824	0	RS-700	0.34101622642
11125	-122.360	37.716	2181.897	2088652.458	6023764.962	0	RS-700	-0.04135844575
11126	-122.360	37.716	2235.137	2088650.739	6023767.184	0	RS-700	0.11477225807
11127	-122.360	37.716	2502.766	2088649.461	6023769.155	0	RS-700	0.89960674487
11128	-122.360	37.716	2445.254	2088648.004	6023771.035	0	RS-700	0.73095087977
11129	-122.360	37.716	1978.512	2088646.662	6023772.571	0	RS-700	-0.63779372434
11130	-122.360	37.716	1455.669	2088645.724	6023773.970	0	RS-700	-2.17105794721
11131	-122.360	37.716	1725.359	2088644.707	6023775.628	0	RS-700	-1.38017768328
11132	-122.360	37.716	2109.187	2088643.916	6023776.943	0	RS-700	-0.25458398827
11133	-122.360	37.716	2527.517	2088645.480	6023777.090	0	RS-700	0.97219199414
11134	-122.360	37.716	2742.857	2088644.436	6023778.313	0	RS-700	1.60368703812
11135	-122.360	37.716	2566.049	2088640.743	6023780.843	0	RS-700	2.62924100629
11136	-122.360	37.716	2193.786	2088639.243	6023783.041	0	RS-700	0.28796465409
11137	-122.360	37.716	2120.759	2088637.300	6023785.491	0	RS-700	-0.17132547170
11138	-122.360	37.716	2011.021	2088635.635	6023786.817	0	RS-700	-0.86150031447
11139	-122.360	37.716	2010.825	2088634.497	6023787.286	0	RS-700	-0.86273433962
11140	-122.360	37.716	2038.921	2088634.021	6023787.422	0	RS-700	-0.68603283019
11141	-122.360	37.716	2029.729	2088633.948	6023787.420	0	RS-700	-0.74384584906
11142	-122.360	37.716	2057.154	2088633.911	6023787.448	0	RS-700	-0.57135943396
11143	-122.360	37.716	1990.019	2088633.910	6023787.477	0	RS-700	-0.99359320755
11144	-122.360	37.716	2001.317	2088633.947	6023787.449	0	RS-700	-0.92253283019
11145	-122.360	37.716	2008.730	2088633.984	6023787.450	0	RS-700	-0.87591308176
11146	-122.360	37.716	1977.709	2088633.984	6023787.450	0	RS-700	-1.07101427673
11147	-122.360	37.716	2040.418	2088633.984	6023787.450	0	RS-700	-0.67661371069
11148	-122.360	37.716	2141.446	2088634.020	6023787.451	0	RS-700	-0.04121742138
11149	-122.360	37.716	2058.815	2088634.020	6023787.451	0	RS-700	-0.56091408805
11150	-122.360	37.716	1999.312	2088634.020	6023787.451	0	RS-700	-0.93514698113
11151	-122.360	37.716	1988.503	2088634.020	6023787.451	0	RS-700	-1.00312301887
11152	-122.360	37.716	1992.310	2088634.020	6023787.479	0	RS-700	-0.97918213837
11153	-122.360	37.716	2030.237	2088634.020	6023787.451	0	RS-700	-0.74064528302
11154	-122.360	37.716	1986.803	2088634.020	6023787.451	0	RS-700	-1.01381559748
11155	-122.360	37.716	2012.521	2088634.020	6023787.451	0	RS-700	-0.85206779874
11156	-122.360	37.716	2081.524	2088634.057	6023787.422	0	RS-700	-0.41809075472
11157	-122.360	37.716	2016.430	2088634.239	6023787.455	0	RS-700	-0.82748383648
11158	-122.360	37.716	2018.520	2088634.853	6023787.699	0	RS-700	-0.81433754717
11159	-122.360	37.716	2132.341	2088635.823	6023788.383	0	RS-700	-0.09848119497

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11160	-122.360	37.716	2016.521	2088636.709	6023789.587	0	RS-700	-0.82691358491
11161	-122.360	37.716	2050.429	2088637.121	6023790.839	0	RS-700	-0.61365716981
11162	-122.360	37.716	2007.511	2088637.181	6023791.477	0	RS-700	-0.88357905660
11163	-122.360	37.716	2050.737	2088637.182	6023791.448	0	RS-700	-0.61171968554
11164	-122.360	37.716	2073.051	2088637.150	6023791.245	0	RS-700	-0.47137496855
11165	-122.360	37.716	2058.943	2088637.152	6023791.129	0	RS-700	-0.56010918239
11166	-122.360	37.716	2058.327	2088637.152	6023791.129	0	RS-700	-0.56398069182
11167	-122.360	37.716	2129.871	2088637.153	6023791.100	0	RS-700	-0.11401811321
11168	-122.360	37.716	1992.514	2088637.153	6023791.071	0	RS-700	-0.97789968554
11169	-122.360	37.716	2072.167	2088637.153	6023791.071	0	RS-700	-0.47693735849
11170	-122.360	37.716	2078.535	2088637.154	6023791.042	0	RS-700	-0.43688647799
11171	-122.360	37.716	2069.744	2088637.154	6023791.042	0	RS-700	-0.49217465409
11172	-122.360	37.716	2082.746	2088637.154	6023791.013	0	RS-700	-0.41040163522
11173	-122.360	37.716	2017.727	2088637.155	6023790.985	0	RS-700	-0.81932710692
11174	-122.360	37.716	1974.822	2088637.191	6023790.985	0	RS-700	-1.08916918239
11175	-122.360	37.716	2037.835	2088637.156	6023790.927	0	RS-700	-0.69286106918
11176	-122.360	37.716	2038.640	2088637.122	6023790.810	0	RS-700	-0.68779698113
11177	-122.360	37.716	2078.332	2088637.018	6023790.548	0	RS-700	-0.43816603774
11178	-122.360	37.716	2037.424	2088636.807	6023790.168	0	RS-700	-0.69544849057
11179	-122.360	37.716	1957.808	2088636.602	6023789.469	0	RS-700	-1.19617735849
11180	-122.360	37.716	2074.327	2088636.475	6023788.541	0	RS-700	-0.46335528302
11181	-122.360	37.716	2145.557	2088636.417	6023787.816	0	RS-700	-0.01536761006
11182	-122.360	37.716	2193.456	2088636.397	6023786.948	0	RS-700	0.28588503145
11183	-122.360	37.716	1995.919	2088636.564	6023785.881	0	RS-700	-0.95648207547
11184	-122.360	37.716	2029.423	2088636.770	6023784.699	0	RS-700	-0.74576974843
11185	-122.360	37.716	2137.766	2088637.082	6023783.635	0	RS-700	-0.06436415094
11186	-122.360	37.716	2139.766	2088637.233	6023783.377	0	RS-700	-0.05178616352
11187	-122.360	37.716	2058.535	2088636.677	6023783.887	0	RS-700	-0.56267069182
11188	-122.360	37.716	2099.542	2088635.163	6023784.927	0	RS-700	-0.30476484277
11189	-122.360	37.716	2105.754	2088633.543	6023785.821	0	RS-700	-0.26569591195
11190	-122.360	37.716	1970.612	2088632.141	6023786.719	0	RS-700	-1.11564735849
11191	-122.360	37.716	2035.839	2088631.028	6023787.738	0	RS-700	-0.70541446541
11192	-122.360	37.716	2006.418	2088630.135	6023788.704	0	RS-700	-0.89045062893
11193	-122.360	37.716	2013.630	2088629.837	6023789.045	0	RS-700	-0.84509660377
11194	-122.360	37.716	1901.681	2088629.948	6023788.932	0	RS-700	-1.54917452830
11195	-122.360	37.716	1957.713	2088629.985	6023788.904	0	RS-700	-1.19677666667
11196	-122.360	37.716	2001.118	2088629.985	6023788.904	0	RS-700	-0.92378918239
11197	-122.360	37.716	1997.519	2088629.985	6023788.904	0	RS-700	-0.94642314465
11198	-122.360	37.716	1969.505	2088629.949	6023788.874	0	RS-700	-1.12260867925
11199	-122.360	37.716	1935.793	2088629.985	6023788.904	0	RS-700	-1.33463628931
11200	-122.360	37.716	1967.511	2088629.986	6023788.875	0	RS-700	-1.13514849057
11201	-122.360	37.716	1906.675	2088630.022	6023788.875	0	RS-700	-1.51776823899
11202	-122.360	37.716	1981.809	2088630.060	6023788.818	0	RS-700	-1.04522660377
11203	-122.360	37.716	2043.038	2088630.097	6023788.790	0	RS-700	-0.66013823899
11204	-122.360	37.716	1981.611	2088630.207	6023788.734	0	RS-700	-1.04647333333



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11205	-122.360	37.716	2037.420	2088630.244	6023788.706	0	RS-700	-0.69547201258
11206	-122.360	37.716	1962.507	2088630.245	6023788.677	0	RS-700	-1.16662081761
11207	-122.360	37.716	1995.725	2088630.208	6023788.706	0	RS-700	-0.95770421384
11208	-122.360	37.716	2105.761	2088630.208	6023788.706	0	RS-700	-0.26565616352
11209	-122.360	37.716	1987.619	2088630.245	6023788.677	0	RS-700	-1.00868540881
11210	-122.360	37.716	1981.807	2088630.281	6023788.678	0	RS-700	-1.04523981132
11211	-122.360	37.716	2077.663	2088630.504	6023788.480	0	RS-700	-0.44237339623
11212	-122.360	37.716	2046.736	2088631.246	6023787.771	0	RS-700	-0.63688088050
11213	-122.360	37.716	1953.916	2088631.921	6023786.801	0	RS-700	-1.22065628931
11214	-122.360	37.716	2130.334	2088632.705	6023785.804	0	RS-700	-0.11110603774
11215	-122.360	37.716	2042.632	2088633.605	6023784.520	0	RS-700	-0.66269150943
11216	-122.360	37.716	2026.028	2088634.655	6023783.008	0	RS-700	-0.76711937107
11217	-122.360	37.716	2118.195	2088635.848	6023781.614	0	RS-700	-0.18745150943
11218	-122.360	37.716	2191.324	2088636.375	6023780.728	0	RS-700	0.27247754717
11219	-122.360	37.716	2453.006	2088637.236	6023779.587	0	RS-700	1.91827383648
11220	-122.360	37.716	2636.095	2088638.208	6023778.305	0	RS-700	3.06977886792
11221	-122.360	37.716	2547.041	2088638.996	6023777.134	0	RS-700	1.02944580645
11222	-122.360	37.716	2199.787	2088639.783	6023776.022	0	RS-700	0.01110451613
11223	-122.360	37.716	1878.581	2088640.753	6023774.855	0	RS-700	-0.93084821114
11224	-122.360	37.716	1544.943	2088641.240	6023774.170	0	RS-700	-1.90925733138
11225	-122.360	37.716	1358.350	2088642.064	6023773.029	0	RS-700	-2.45645211144
11226	-122.360	37.716	1726.637	2088642.846	6023772.148	0	RS-700	-1.37643193548
11227	-122.360	37.716	1995.719	2088643.701	6023771.268	0	RS-700	-0.58733392962
11228	-122.360	37.716	2352.982	2088644.446	6023770.444	0	RS-700	0.46035844575
11229	-122.360	37.716	2484.397	2088645.167	6023769.012	0	RS-700	0.84573935484
11230	-122.360	37.716	2308.949	2088645.995	6023767.668	0	RS-700	0.33122961877
11231	-122.360	37.716	2126.282	2088647.479	6023766.280	0	RS-700	-0.20445281525
11232	-122.360	37.716	2016.419	2088648.927	6023764.863	0	RS-700	-0.52662941349
11233	-122.360	37.716	2010.522	2088650.161	6023763.267	0	RS-700	-0.54392483871
11234	-122.360	37.716	2029.317	2088651.429	6023761.788	0	RS-700	-0.74643295598
11235	-122.360	37.716	2072.162	2088652.508	6023760.623	0	RS-700	-0.47697081761
11236	-122.360	37.716	2109.545	2088653.328	6023759.685	0	RS-700	-0.24185245283
11237	-122.360	37.716	2072.052	2088653.589	6023759.372	0	RS-700	-0.47765823899
11238	-122.360	37.716	2169.567	2088654.144	6023758.949	0	RS-700	0.13563880503
11239	-122.360	37.716	2149.786	2088654.842	6023758.615	0	RS-700	0.01122955975
11240	-122.360	37.716	2143.755	2088655.500	6023758.513	0	RS-700	-0.02669761006
11241	-122.360	37.716	2041.825	2088655.500	6023758.513	0	RS-700	-0.66776427673
11242	-122.360	37.716	2066.451	2088656.699	6023758.623	0	RS-700	-0.51288767296
11243	-122.360	37.716	2048.940	2088657.904	6023758.474	0	RS-700	-0.62301905660
11244	-122.360	37.716	2103.665	2088659.116	6023757.977	0	RS-700	-0.27883415094
11245	-122.360	37.716	2099.967	2088660.078	6023757.215	0	RS-700	-0.30209345912
11246	-122.360	37.716	2112.283	2088660.529	6023756.530	0	RS-700	-0.22463597484
11247	-122.360	37.716	2010.217	2088661.205	6023755.473	0	RS-700	-0.86655880503
11248	-122.360	37.716	2042.631	2088661.875	6023754.763	0	RS-700	-0.66269861635
11249	-122.360	37.716	1932.598	2088662.550	6023753.793	0	RS-700	-1.35473044025

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11250	-122.360	37.716	1909.397	2088662.901	6023752.584	0	RS-700	-1.50064723270
11251	-122.360	37.716	1899.303	2088662.890	6023751.340	0	RS-700	-1.56413452830
11252	-122.360	37.716	2117.086	2088662.881	6023749.951	0	RS-700	-0.19442635220
11253	-122.360	37.716	2022.420	2088662.763	6023748.531	0	RS-700	-0.78981176101
11254	-122.360	37.716	1993.614	2088662.496	6023747.340	0	RS-700	-0.97098144654
11255	-122.360	37.716	2039.615	2088662.406	6023746.355	0	RS-700	-0.68166408805
11256	-122.360	37.716	1974.312	2088662.451	6023745.950	0	RS-700	-1.09237786164
11257	-122.360	37.716	2084.167	2088662.412	6023746.036	0	RS-700	-0.40146245283
11258	-122.360	37.716	1987.613	2088662.176	6023746.929	0	RS-700	-1.00872572327
11259	-122.360	37.716	2028.631	2088661.974	6023747.966	0	RS-700	-0.75074836478
11260	-122.360	37.716	2117.382	2088661.942	6023747.734	0	RS-700	-0.19256911950
11261	-122.360	37.716	1933.889	2088661.989	6023747.185	0	RS-700	-1.34660830189
11262	-122.360	37.716	2002.797	2088662.073	6023746.608	0	RS-700	-0.91322540881
11263	-122.360	37.716	2070.434	2088662.035	6023746.694	0	RS-700	-0.48783553459
11264	-122.360	37.716	2005.619	2088662.036	6023746.665	0	RS-700	-0.89547792453
11265	-122.360	37.716	2096.861	2088662.035	6023746.723	0	RS-700	-0.32162691824
11266	-122.360	37.716	1986.521	2088662.035	6023746.723	0	RS-700	-1.01559345912
11267	-122.360	37.716	2014.821	2088662.035	6023746.694	0	RS-700	-0.83760301887
11268	-122.360	37.716	2057.943	2088662.072	6023746.695	0	RS-700	-0.56639566038
11269	-122.360	37.716	1983.111	2088662.036	6023746.665	0	RS-700	-1.03703477987
11270	-122.360	37.716	2106.814	2088662.073	6023746.637	0	RS-700	-0.25903062893
11271	-122.360	37.716	1980.614	2088662.073	6023746.637	0	RS-700	-1.05274389937
11272	-122.360	37.716	2077.856	2088662.110	6023746.580	0	RS-700	-0.44115830189
11273	-122.360	37.716	2026.133	2088662.110	6023746.580	0	RS-700	-0.76646075472
11274	-122.360	37.716	1991.013	2088662.187	6023746.408	0	RS-700	-0.98733849057
11275	-122.360	37.716	2054.854	2088662.490	6023745.778	0	RS-700	-0.58582572327
11276	-122.360	37.716	2055.733	2088662.454	6023745.777	0	RS-700	-0.58029295598
11277	-122.360	37.716	2054.743	2088662.490	6023745.778	0	RS-700	-0.58652352201
11278	-122.360	37.716	2004.628	2088662.491	6023745.749	0	RS-700	-0.90171044025
11279	-122.360	37.716	2010.723	2088662.492	6023745.720	0	RS-700	-0.86337735849
11280	-122.360	37.716	2017.021	2088662.491	6023745.749	0	RS-700	-0.82376471698
11281	-122.360	37.716	2077.635	2088662.492	6023745.720	0	RS-700	-0.44254408805
11282	-122.360	37.716	2006.418	2088662.528	6023745.720	0	RS-700	-0.89045301887
11283	-122.360	37.716	1987.414	2088663.047	6023745.239	0	RS-700	-1.00997415094
11284	-122.360	37.716	2041.725	2088663.903	6023744.359	0	RS-700	-0.66839446541
11285	-122.360	37.716	2047.834	2088664.943	6023743.338	0	RS-700	-0.62997327044
11286	-122.360	37.716	1969.527	2088665.946	6023742.317	0	RS-700	-1.12247207547
11287	-122.360	37.716	2029.347	2088666.805	6023741.263	0	RS-700	-0.74624515723
11288	-122.360	37.716	2034.727	2088667.551	6023740.381	0	RS-700	-0.71240880503
11289	-122.360	37.716	2032.624	2088668.443	6023739.444	0	RS-700	-0.72563610063
11290	-122.360	37.716	1918.497	2088669.118	6023738.503	0	RS-700	-1.44341610063
11291	-122.360	37.716	2051.840	2088669.829	6023737.534	0	RS-700	-0.60478018868
11292	-122.360	37.716	2103.650	2088670.539	6023736.593	0	RS-700	-0.27892830189
11293	-122.360	37.716	2038.834	2088671.251	6023735.623	0	RS-700	-0.68657704403
11294	-122.360	37.716	2074.849	2088671.961	6023734.712	0	RS-700	-0.46007094340

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11295	-122.360	37.716	2041.430	2088672.744	6023733.773	0	RS-700	-0.67024974843
11296	-122.360	37.716	1957.503	2088673.454	6023732.890	0	RS-700	-1.19809553459
11297	-122.360	37.716	2046.528	2088674.164	6023731.949	0	RS-700	-0.63818566038
11298	-122.360	37.716	1936.890	2088674.839	6023730.979	0	RS-700	-1.32773679245
11299	-122.360	37.716	1921.594	2088675.698	6023729.926	0	RS-700	-1.42393584906
11300	-122.360	37.716	1889.781	2088676.746	6023728.500	0	RS-700	-1.62402169811
11301	-122.360	37.716	1967.901	2088677.904	6023727.019	0	RS-700	-1.13269754717
11302	-122.360	37.716	1974.518	2088678.989	6023725.594	0	RS-700	-1.09108289308
11303	-122.360	37.716	2039.625	2088680.111	6023724.112	0	RS-700	-0.68160377359
11304	-122.360	37.716	1921.684	2088681.306	6023722.631	0	RS-700	-1.42336817610
11305	-122.360	37.716	1921.304	2088682.391	6023721.148	0	RS-700	-1.42575823899
11306	-122.360	37.716	2029.133	2088683.552	6023719.551	0	RS-700	-0.74759188679
11307	-122.360	37.716	2011.624	2088684.827	6023717.725	0	RS-700	-0.85771245283
11308	-122.360	37.716	1923.982	2088686.172	6023715.987	0	RS-700	-1.40891817610
11309	-122.360	37.716	1962.099	2088687.518	6023714.220	0	RS-700	-1.16919018868
11310	-122.360	37.716	1960.705	2088688.642	6023712.651	0	RS-700	-1.17795735849
11311	-122.360	37.716	1925.596	2088689.650	6023711.398	0	RS-700	-1.39876880503
11312	-122.360	37.716	1948.898	2088690.791	6023710.813	0	RS-700	-1.25221578616
11313	-122.360	37.716	2054.327	2088691.015	6023710.557	0	RS-700	-0.58913641509
11314	-122.360	37.716	1942.701	2088691.123	6023710.588	0	RS-700	-1.29118742138
11315	-122.360	37.716	2079.961	2088691.486	6023710.654	0	RS-700	-0.42792044025
11316	-122.360	37.716	1963.598	2088692.286	6023710.698	0	RS-700	-1.15975955975
11317	-122.360	37.716	1882.675	2088693.636	6023710.581	0	RS-700	-1.66870874214
11318	-122.360	37.716	1910.975	2088695.463	6023710.299	0	RS-700	-1.49072471698
11319	-122.360	37.716	1952.384	2088695.794	6023710.132	0	RS-700	-1.23028773585
11320	-122.360	37.716	1936.690	2088695.127	6023710.697	0	RS-700	-1.32899207547
11321	-122.360	37.716	1929.596	2088694.494	6023711.379	0	RS-700	-1.37360937107
11322	-122.360	37.716	1957.705	2088694.050	6023711.746	0	RS-700	-1.19682572327
11323	-122.360	37.716	2053.735	2088694.382	6023711.521	0	RS-700	-0.59286025157
11324	-122.360	37.716	1989.818	2088694.679	6023711.238	0	RS-700	-0.99485805031
11325	-122.360	37.716	2040.539	2088694.901	6023711.069	0	RS-700	-0.67585308176
11326	-122.360	37.716	1978.707	2088694.939	6023711.011	0	RS-700	-1.06473515723
11327	-122.360	37.716	1929.793	2088694.975	6023711.041	0	RS-700	-1.37236930818
11328	-122.360	37.716	1942.795	2088694.975	6023711.041	0	RS-700	-1.29059798742
11329	-122.360	37.716	1904.972	2088694.939	6023711.011	0	RS-700	-1.52847710692
11330	-122.360	37.716	1904.874	2088694.938	6023711.040	0	RS-700	-1.52909333333
11331	-122.360	37.716	1910.400	2088694.975	6023711.041	0	RS-700	-1.49434106918
11332	-122.360	37.716	1959.903	2088694.975	6023711.041	0	RS-700	-1.18299849057
11333	-122.360	37.716	1933.505	2088694.975	6023711.041	0	RS-700	-1.34902572327
11334	-122.360	37.716	1959.080	2088695.012	6023711.013	0	RS-700	-1.18817547170
11335	-122.360	37.716	1999.717	2088695.011	6023711.042	0	RS-700	-0.93259861635
11336	-122.360	37.716	1979.676	2088695.011	6023711.042	0	RS-700	-1.05864333333
11337	-122.360	37.716	1926.599	2088695.011	6023711.042	0	RS-700	-1.39245968553
11338	-122.360	37.716	1978.509	2088695.159	6023710.929	0	RS-700	-1.06598132075
11339	-122.360	37.716	1927.175	2088695.641	6023710.476	0	RS-700	-1.38883962264

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11340	-122.360	37.716	1947.697	2088696.425	6023709.537	0	RS-700	-1.25976943396
11341	-122.360	37.716	1908.871	2088697.435	6023708.197	0	RS-700	-1.50395440252
11342	-122.360	37.716	1909.876	2088698.549	6023707.120	0	RS-700	-1.49763578616
11343	-122.360	37.716	1985.104	2088699.191	6023705.975	0	RS-700	-1.02450616352
11344	-122.360	37.716	1929.692	2088699.344	6023705.602	0	RS-700	-1.37300786164
11345	-122.360	37.716	1948.399	2088699.303	6023705.804	0	RS-700	-1.25535289308
11346	-122.360	37.716	1941.799	2088699.342	6023705.689	0	RS-700	-1.29686075472
11347	-122.360	37.716	1937.498	2088699.342	6023705.689	0	RS-700	-1.32390943396
11348	-122.360	37.716	1923.690	2088699.342	6023705.689	0	RS-700	-1.41075446541
11349	-122.360	37.716	1940.695	2088699.342	6023705.689	0	RS-700	-1.30380484277
11350	-122.360	37.716	1928.788	2088699.342	6023705.689	0	RS-700	-1.37869358491
11351	-122.360	37.716	1873.858	2088699.342	6023705.689	0	RS-700	-1.72416106918
11352	-122.360	37.716	1937.499	2088699.343	6023705.631	0	RS-700	-1.32390503145
11353	-122.360	37.716	1900.398	2088699.315	6023705.197	0	RS-700	-1.55724389937
11354	-122.360	37.716	1974.598	2088699.361	6023704.735	0	RS-700	-1.09057660377
11355	-122.360	37.716	1949.303	2088699.486	6023703.927	0	RS-700	-1.24966452830
11356	-122.360	37.716	1896.586	2088699.287	6023702.939	0	RS-700	-1.58122182390
11357	-122.360	37.716	1967.317	2088699.345	6023701.899	0	RS-700	-1.13636987421
11358	-122.360	37.716	1993.615	2088699.589	6023700.573	0	RS-700	-0.97097628931
11359	-122.360	37.716	1974.612	2088699.866	6023699.479	0	RS-700	-1.09049257862
11360	-122.360	37.716	2033.630	2088700.317	6023698.765	0	RS-700	-0.71930993711
11361	-122.360	37.716	1999.518	2088700.766	6023698.195	0	RS-700	-0.93384742138
11362	-122.360	37.716	1993.215	2088701.213	6023697.683	0	RS-700	-0.97348937107
11363	-122.360	37.716	2000.823	2088701.250	6023697.655	0	RS-700	-0.92564238994
11364	-122.360	37.716	2012.517	2088701.212	6023697.712	0	RS-700	-0.85209641509
11365	-122.360	37.716	1970.409	2088701.176	6023697.712	0	RS-700	-1.11692547170
11366	-122.360	37.716	2001.430	2088701.176	6023697.712	0	RS-700	-0.92182226415
11367	-122.360	37.716	1987.416	2088701.176	6023697.712	0	RS-700	-1.00996490566
11368	-122.360	37.716	2009.518	2088701.176	6023697.712	0	RS-700	-0.87095421384
11369	-122.360	37.716	1921.200	2088701.139	6023697.711	0	RS-700	-1.42641339623
11370	-122.360	37.716	1963.708	2088701.176	6023697.712	0	RS-700	-1.15907188679
11371	-122.360	37.716	2018.523	2088701.175	6023697.741	0	RS-700	-0.81432050315
11372	-122.360	37.716	2032.828	2088701.175	6023697.741	0	RS-700	-0.72435113208
11373	-122.360	37.716	2017.713	2088701.175	6023697.769	0	RS-700	-0.81941540881
11374	-122.360	37.716	1959.901	2088701.175	6023697.769	0	RS-700	-1.18301031447
11375	-122.360	37.716	1896.060	2088701.175	6023697.769	0	RS-700	-1.58453069182
11376	-122.360	37.716	1997.221	2088701.211	6023697.770	0	RS-700	-0.94829389937
11377	-122.360	37.716	2044.633	2088701.175	6023697.769	0	RS-700	-0.65010786164
11378	-122.360	37.716	1969.904	2088701.211	6023697.770	0	RS-700	-1.12010257862
11379	-122.360	37.716	2035.527	2088701.174	6023697.798	0	RS-700	-0.70738050315
11380	-122.360	37.716	1971.514	2088701.174	6023697.798	0	RS-700	-1.10997276730
11381	-122.360	37.716	1931.308	2088701.211	6023697.799	0	RS-700	-1.36284314465
11382	-122.360	37.716	1948.796	2088701.174	6023697.798	0	RS-700	-1.25285459119
11383	-122.360	37.716	1962.804	2088701.211	6023697.770	0	RS-700	-1.16475572327
11384	-122.360	37.716	2075.746	2088701.211	6023697.770	0	RS-700	-0.45442949686

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11385	-122.360	37.716	2045.942	2088701.360	6023697.600	0	RS-700	-0.64187716981
11386	-122.360	37.716	2058.726	2088701.732	6023697.202	0	RS-700	-0.56146943396
11387	-122.360	37.717	1958.389	2088702.368	6023696.376	0	RS-700	-1.19251981132
11388	-122.360	37.717	2004.817	2088703.192	6023695.206	0	RS-700	-0.90052050315
11389	-122.360	37.717	2071.738	2088704.278	6023693.723	0	RS-700	-0.47963308176
11390	-122.360	37.717	2037.216	2088705.694	6023692.131	0	RS-700	-0.69675685535
11391	-122.360	37.717	2048.039	2088707.039	6023690.393	0	RS-700	-0.62868566038
11392	-122.360	37.717	2006.620	2088708.312	6023688.654	0	RS-700	-0.88918232704
11393	-122.360	37.717	2016.413	2088709.400	6023687.026	0	RS-700	-0.82758893082
11394	-122.360	37.717	2050.629	2088710.485	6023685.601	0	RS-700	-0.61239886793
11395	-122.360	37.717	1993.015	2088711.459	6023684.232	0	RS-700	-0.97474553459
11396	-122.360	37.717	2001.215	2088712.504	6023682.951	0	RS-700	-0.92317496855
11397	-122.360	37.717	1992.003	2088713.475	6023681.726	0	RS-700	-0.98111433962
11398	-122.360	37.717	1992.016	2088714.485	6023680.415	0	RS-700	-0.98103069182
11399	-122.360	37.717	2059.148	2088715.679	6023678.964	0	RS-700	-0.55881515723
11400	-122.360	37.717	1962.987	2088716.800	6023677.539	0	RS-700	-1.16360232704
11401	-122.360	37.717	1995.416	2088717.921	6023676.086	0	RS-700	-0.95964742138
11402	-122.360	37.717	1969.410	2088719.155	6023674.491	0	RS-700	-1.12320522013
11403	-122.360	37.717	1932.791	2088720.426	6023672.838	0	RS-700	-1.35351377358
11404	-122.360	37.717	2068.753	2088721.772	6023671.100	0	RS-700	-0.49840861635
11405	-122.360	37.717	1977.039	2088723.044	6023669.389	0	RS-700	-1.07522660377
11406	-122.360	37.717	1934.888	2088724.132	6023667.762	0	RS-700	-1.34032628931
11407	-122.360	37.717	2023.032	2088725.034	6023666.362	0	RS-700	-0.78596069182
11408	-122.360	37.717	2014.523	2088725.715	6023665.103	0	RS-700	-0.83947937107
11409	-122.360	37.717	1988.710	2088726.504	6023663.903	0	RS-700	-1.00182616352
11410	-122.360	37.717	1983.810	2088727.356	6023663.168	0	RS-700	-1.03263968553
11411	-122.360	37.717	2003.023	2088728.202	6023662.751	0	RS-700	-0.91180610063
11412	-122.360	37.717	2013.018	2088728.934	6023662.563	0	RS-700	-0.84894295598
11413	-122.360	37.717	1935.791	2088729.296	6023662.686	0	RS-700	-1.33464899371
11414	-122.360	37.717	1954.603	2088730.166	6023662.877	0	RS-700	-1.21633641509
11415	-122.360	37.717	1944.504	2088731.111	6023662.982	0	RS-700	-1.27984716981
11416	-122.360	37.717	1853.760	2088732.389	6023662.805	0	RS-700	-1.85056490566
11417	-122.360	37.717	1916.915	2088733.052	6023662.442	0	RS-700	-1.45336396226
11418	-122.360	37.717	1927.899	2088732.054	6023663.146	0	RS-700	-1.38428327044
11419	-122.360	37.717	1982.822	2088731.200	6023663.968	0	RS-700	-1.03885685535
11420	-122.360	37.717	1998.416	2088730.757	6023664.277	0	RS-700	-0.94078119497
11421	-122.360	37.717	1965.318	2088731.274	6023663.911	0	RS-700	-1.14894622642
11422	-122.360	37.717	1943.501	2088732.311	6023663.064	0	RS-700	-1.28615465409
11423	-122.360	37.717	1866.389	2088733.392	6023661.813	0	RS-700	-1.77113886792
11424	-122.360	37.717	1972.908	2088734.366	6023660.443	0	RS-700	-1.10121000000
11425	-122.360	37.717	1887.300	2088735.518	6023659.309	0	RS-700	-1.63962371069
11426	-122.360	37.717	1926.696	2088736.673	6023658.001	0	RS-700	-1.39185213836
11427	-122.360	37.717	1933.689	2088736.957	6023656.502	0	RS-700	-1.34786729560
11428	-122.360	37.717	2010.722	2088737.020	6023655.202	0	RS-700	-0.86338452830
11429	-122.360	37.717	1904.780	2088737.049	6023653.727	0	RS-700	-1.52968333333

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11430	-122.360	37.717	1910.884	2088737.032	6023652.743	0	RS-700	-1.49129779874
11431	-122.360	37.717	1954.801	2088737.307	6023651.736	0	RS-700	-1.21508849057
11432	-122.360	37.717	1971.700	2088737.847	6023650.213	0	RS-700	-1.10880792453
11433	-122.360	37.717	1933.217	2088738.314	6023648.718	0	RS-700	-1.35083855346
11434	-122.360	37.717	1892.587	2088738.922	6023647.457	0	RS-700	-1.60637415094
11435	-122.360	37.717	2076.850	2088739.815	6023646.491	0	RS-700	-0.44748194969
11436	-122.360	37.717	2026.422	2088740.563	6023645.494	0	RS-700	-0.76464163522
11437	-122.360	37.717	1962.313	2088741.198	6023644.696	0	RS-700	-1.16784339623
11438	-122.360	37.717	2043.529	2088741.833	6023643.899	0	RS-700	-0.65704761006
11439	-122.360	37.717	2003.319	2088741.946	6023643.728	0	RS-700	-0.90994452830
11440	-122.360	37.717	2050.624	2088741.946	6023643.728	0	RS-700	-0.61242635220
11441	-122.360	37.717	2038.140	2088741.946	6023643.728	0	RS-700	-0.69094106918
11442	-122.360	37.717	1966.902	2088741.983	6023643.699	0	RS-700	-1.13898220126
11443	-122.360	37.717	2036.421	2088741.947	6023643.670	0	RS-700	-0.70175402516
11444	-122.360	37.717	2080.539	2088741.984	6023643.641	0	RS-700	-0.42428308176
11445	-122.360	37.717	2102.185	2088741.984	6023643.641	0	RS-700	-0.28814264151
11446	-122.360	37.717	2049.632	2088741.984	6023643.613	0	RS-700	-0.61866547170
11447	-122.360	37.717	2089.168	2088741.985	6023643.584	0	RS-700	-0.37000968554
11448	-122.360	37.717	2027.702	2088741.985	6023643.584	0	RS-700	-0.75659031447
11449	-122.360	37.717	2061.837	2088742.058	6023643.556	0	RS-700	-0.54190396226
11450	-122.360	37.717	2007.418	2088742.022	6023643.555	0	RS-700	-0.88416176101
11451	-122.360	37.717	1970.412	2088742.060	6023643.469	0	RS-700	-1.11690742138
11452	-122.360	37.717	2112.963	2088742.806	6023642.587	0	RS-700	-0.22035685535
11453	-122.360	37.717	2070.049	2088743.963	6023641.193	0	RS-700	-0.49025779874
11454	-122.360	37.717	1955.003	2088745.084	6023639.769	0	RS-700	-1.21381685535
11455	-122.360	37.717	2064.737	2088746.352	6023638.232	0	RS-700	-0.52366471698
11456	-122.360	37.717	1972.814	2088747.734	6023636.523	0	RS-700	-1.10179610063
11457	-122.360	37.717	1927.981	2088749.042	6023634.813	0	RS-700	-1.38376660377
11458	-122.360	37.717	1976.096	2088750.500	6023632.962	0	RS-700	-1.08115509434
11459	-122.360	37.717	1927.074	2088752.139	6023631.114	0	RS-700	-1.38947459119
11460	-122.360	37.717	1969.312	2088753.889	6023629.153	0	RS-700	-1.12382106918
11461	-122.360	37.717	1924.694	2088755.492	6023627.304	0	RS-700	-1.40443993711
11462	-122.360	37.717	2006.618	2088757.093	6023625.542	0	RS-700	-0.88919654088
11463	-122.360	37.717	1976.792	2088758.481	6023623.544	0	RS-700	-1.07677748428
11464	-122.360	37.717	1878.674	2088759.722	6023621.544	0	RS-700	-1.69387685535
11465	-122.360	37.717	1941.610	2088760.853	6023619.628	0	RS-700	-1.29805226415
11466	-122.360	37.717	1967.790	2088761.981	6023617.857	0	RS-700	-1.13339893082
11467	-122.360	37.717	1922.282	2088763.028	6023616.460	0	RS-700	-1.41960823899
11468	-122.360	37.717	2047.143	2088764.429	6023615.591	0	RS-700	-0.63432226415
11469	-122.360	37.717	1922.694	2088765.597	6023615.470	0	RS-700	-1.41702050314
11470	-122.360	37.717	1863.855	2088765.621	6023616.078	0	RS-700	-1.78707635220
11471	-122.360	37.717	1942.887	2088765.997	6023615.507	0	RS-700	-1.29002113208
11472	-122.360	37.717	1932.695	2088767.635	6023615.568	0	RS-700	-1.35412138365
11473	-122.360	37.717	2021.911	2088768.915	6023615.275	0	RS-700	-0.79301383648
11474	-122.360	37.717	1904.688	2088768.914	6023615.333	0	RS-700	-1.53026245283

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11475	-122.360	37.717	1985.413	2088767.771	6023616.034	0	RS-700	-1.02256283019
11476	-122.360	37.717	2028.634	2088766.953	6023616.856	0	RS-700	-0.75072968554
11477	-122.360	37.717	2026.245	2088766.732	6023617.026	0	RS-700	-0.76575553459
11478	-122.360	37.717	1938.698	2088767.729	6023616.322	0	RS-700	-1.31636402516
11479	-122.360	37.717	1985.715	2088768.806	6023615.273	0	RS-700	-1.02065861635
11480	-122.360	37.717	1929.596	2088769.852	6023613.934	0	RS-700	-1.37360937107
11481	-122.360	37.717	1934.503	2088770.970	6023612.654	0	RS-700	-1.34274855346
11482	-122.360	37.717	1944.507	2088772.047	6023611.605	0	RS-700	-1.27982899371
11483	-122.360	37.717	2000.722	2088772.693	6023610.287	0	RS-700	-0.92627641509
11484	-122.360	37.717	1960.701	2088772.833	6023608.699	0	RS-700	-1.17798194969
11485	-122.360	37.717	1906.206	2088772.723	6023606.903	0	RS-700	-1.52071522013
11486	-122.360	37.717	1961.604	2088772.723	6023605.081	0	RS-700	-1.17230188679
11487	-122.360	37.717	1826.382	2088772.643	6023603.604	0	RS-700	-2.02275169811
11488	-122.360	37.717	1978.611	2088772.800	6023603.028	0	RS-700	-1.06534157233
11489	-122.360	37.717	1986.610	2088773.255	6023602.169	0	RS-700	-1.01503025157
11490	-122.360	37.717	1941.404	2088773.853	6023601.371	0	RS-700	-1.29934301887
11491	-122.360	37.717	2011.939	2088774.525	6023600.545	0	RS-700	-0.85572660377
11492	-122.360	37.717	1996.013	2088775.643	6023599.266	0	RS-700	-0.95589276730
11493	-122.360	37.717	2044.318	2088776.985	6023597.730	0	RS-700	-0.65208918239
11494	-122.360	37.717	2125.767	2088778.438	6023596.052	0	RS-700	-0.13982861635
11495	-122.360	37.717	1964.329	2088779.786	6023594.227	0	RS-700	-1.15516301887
11496	-122.360	37.717	2042.043	2088780.988	6023592.371	0	RS-700	-0.66639433962
11497	-122.360	37.717	1976.712	2088782.514	6023590.723	0	RS-700	-1.07728012579
11498	-122.360	37.717	1968.193	2088783.929	6023589.160	0	RS-700	-1.13086075472
11499	-122.360	37.717	2059.842	2088785.231	6023587.768	0	RS-700	-0.55445088050
11500	-122.360	37.717	2051.040	2088786.314	6023586.459	0	RS-700	-0.60981201258
11501	-122.360	37.717	2072.055	2088787.770	6023584.637	0	RS-700	-0.47763930818
11502	-122.360	37.717	1971.811	2088789.123	6023582.523	0	RS-700	-1.10810459119
11503	-122.360	37.717	1968.908	2088790.731	6023580.443	0	RS-700	-1.12636352201
11504	-122.360	37.717	1968.801	2088792.523	6023578.222	0	RS-700	-1.12703905660
11505	-122.360	37.717	1944.810	2088794.282	6023575.827	0	RS-700	-1.27792540881
11506	-122.360	37.717	2036.934	2088796.072	6023573.721	0	RS-700	-0.69853088050
11507	-122.360	37.717	1960.825	2088797.385	6023571.809	0	RS-700	-1.17720440252
11508	-122.360	37.717	2031.424	2088798.833	6023570.420	0	RS-700	-0.73318207547
11509	-122.360	37.717	2063.837	2088800.459	6023569.237	0	RS-700	-0.52932591195
11510	-122.360	37.717	2096.437	2088802.357	6023569.015	0	RS-700	-0.32429471698
11511	-122.360	37.717	2086.955	2088804.186	6023568.617	0	RS-700	-0.38393320755
11512	-122.360	37.717	2100.544	2088805.480	6023567.630	0	RS-700	-0.29846817610
11513	-122.360	37.717	2166.569	2088806.526	6023566.291	0	RS-700	0.11678566038
11514	-122.360	37.717	1965.412	2088807.796	6023564.697	0	RS-700	-1.14835113208
11515	-122.360	37.717	1927.501	2088809.181	6023562.844	0	RS-700	-1.38678377358
11516	-122.360	37.717	1962.803	2088810.670	6023561.195	0	RS-700	-1.16476031447
11517	-122.360	37.717	2119.443	2088812.128	6023559.315	0	RS-700	-0.17960635220
11518	-122.360	37.717	2074.539	2088813.512	6023557.491	0	RS-700	-0.46202088050
11519	-122.361	37.717	2008.318	2088814.905	6023555.175	0	RS-700	-0.87850220126

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11520	-122.361	37.717	2209.018	2088816.108	6023553.319	0	RS-700	0.38376308176
11521	-122.361	37.717	2133.990	2088817.320	6023550.970	0	RS-700	-0.08811471698
11522	-122.361	37.717	2207.361	2088818.528	6023548.825	0	RS-700	0.37334012579
11523	-122.361	37.717	2176.890	2088819.773	6023546.651	0	RS-700	0.18170000000
11524	-122.361	37.717	2245.036	2088820.977	6023544.707	0	RS-700	0.61028628931
11525	-122.361	37.717	2302.600	2088822.174	6023543.111	0	RS-700	0.97232685535
11526	-122.361	37.717	2344.310	2088823.587	6023541.635	0	RS-700	1.23465654088
11527	-122.361	37.717	2276.273	2088824.462	6023539.772	0	RS-700	0.80674905660
11528	-122.361	37.717	2303.829	2088824.893	6023538.247	0	RS-700	0.98005805031
11529	-122.361	37.717	2101.449	2088825.517	6023536.147	0	RS-700	-0.29277415094
11530	-122.361	37.717	2099.754	2088826.400	6023533.879	0	RS-700	-0.30343647799
11531	-122.361	37.717	1975.605	2088827.314	6023531.872	0	RS-700	-1.08424440252
11532	-122.361	37.717	1896.868	2088828.589	6023530.046	0	RS-700	-1.57944641509
11533	-122.361	37.717	1894.845	2088830.005	6023528.396	0	RS-700	-1.59217000000
11534	-122.361	37.717	2046.426	2088831.569	6023526.663	0	RS-700	-0.63882748428
11535	-122.361	37.717	2008.711	2088833.024	6023524.956	0	RS-700	-0.87603201258
11536	-122.361	37.717	1961.797	2088834.369	6023523.247	0	RS-700	-1.17108641509
11537	-122.361	37.717	1974.607	2088835.605	6023521.507	0	RS-700	-1.09052509434
11538	-122.361	37.717	2027.523	2088836.972	6023520.521	0	RS-700	-0.75771698113
11539	-122.361	37.717	1999.318	2088837.660	6023520.737	0	RS-700	-0.93510396226
11540	-122.361	37.717	1984.515	2088839.520	6023520.601	0	RS-700	-1.02820893082
11541	-122.361	37.717	2065.952	2088841.284	6023519.826	0	RS-700	-0.51602358491
11542	-122.361	37.717	1961.599	2088842.976	6023518.963	0	RS-700	-1.17233566038
11543	-122.361	37.717	2011.214	2088844.498	6023517.517	0	RS-700	-0.86029006289
11544	-122.361	37.717	1999.632	2088845.698	6023515.748	0	RS-700	-0.93313000000
11545	-122.361	37.717	1999.821	2088846.277	6023514.110	0	RS-700	-0.93194591195
11546	-122.361	37.717	2045.940	2088846.828	6023512.038	0	RS-700	-0.64188522013
11547	-122.361	37.717	2037.529	2088847.054	6023509.873	0	RS-700	-0.69478465409
11548	-122.361	37.717	1966.702	2088847.836	6023507.140	0	RS-700	-1.14024056604
11549	-122.361	37.717	1973.315	2088849.043	6023505.081	0	RS-700	-1.09865031447
11550	-122.361	37.717	2052.962	2088850.279	6023503.341	0	RS-700	-0.59772433962
11551	-122.361	37.717	2015.723	2088851.902	6023502.303	0	RS-700	-0.83192893082
11552	-122.361	37.717	1969.808	2088853.439	6023501.928	0	RS-700	-1.12070440252
11553	-122.361	37.717	2062.440	2088854.997	6023502.335	0	RS-700	-0.53811616352
11554	-122.361	37.717	1952.896	2088856.692	6023503.179	0	RS-700	-1.22706886792
11555	-122.361	37.717	2079.644	2088857.658	6023504.066	0	RS-700	-0.42991169811
11556	-122.361	37.717	1998.817	2088858.470	6023505.326	0	RS-700	-0.93825540881
11557	-122.361	37.717	2085.855	2088859.099	6023506.670	0	RS-700	-0.39085188679
11558	-122.361	37.717	2020.934	2088859.438	6023507.949	0	RS-700	-0.79915981132
11559	-122.361	37.717	2105.661	2088859.410	6023509.366	0	RS-700	-0.26628509434
11560	-122.361	37.717	1996.522	2088859.045	6023511.211	0	RS-700	-0.95269075472
11561	-122.361	37.717	2022.505	2088857.960	6023512.693	0	RS-700	-0.78927968554
11562	-122.361	37.717	2020.323	2088856.732	6023514.000	0	RS-700	-0.80299981132
11563	-122.361	37.717	1921.492	2088855.281	6023515.533	0	RS-700	-1.42458169811
11564	-122.361	37.717	2099.649	2088853.645	6023517.208	0	RS-700	-0.30409540881



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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11565	-122.361	37.717	1973.711	2088851.935	6023518.967	0	RS-700	-1.09615918239
11566	-122.361	37.717	1993.615	2088850.077	6023520.811	0	RS-700	-0.97097194969
11567	-122.361	37.717	2033.837	2088848.183	6023522.654	0	RS-700	-0.71800735849
11568	-122.361	37.717	2043.836	2088846.069	6023524.579	0	RS-700	-0.65512182390
11569	-122.361	37.717	1972.412	2088843.920	6023526.445	0	RS-700	-1.10432522013
11570	-122.361	37.717	2011.019	2088841.841	6023528.400	0	RS-700	-0.86151509434
11571	-122.361	37.717	2078.057	2088840.014	6023530.563	0	RS-700	-0.43989433962
11572	-122.361	37.717	2064.363	2088838.370	6023532.642	0	RS-700	-0.52602018868
11573	-122.361	37.717	1838.662	2088836.838	6023534.579	0	RS-700	-1.94552176101
11574	-122.361	37.717	1455.675	2088835.458	6023536.229	0	RS-700	-4.35424427673
11575	-122.361	37.717	1340.214	2088834.263	6023537.739	0	RS-700	-5.08041786164
11576	-122.361	37.717	1413.239	2088833.329	6023538.906	0	RS-700	-4.62113823899
11577	-122.361	37.717	1403.143	2088832.545	6023539.874	0	RS-700	-4.68463823899
11578	-122.361	37.717	1511.226	2088831.797	6023540.843	0	RS-700	-4.00487075472
11579	-122.361	37.717	1836.569	2088830.864	6023542.011	0	RS-700	-1.95868308176
11580	-122.361	37.717	2159.127	2088830.079	6023543.008	0	RS-700	0.06998270440
11581	-122.361	37.717	2141.870	2088829.179	6023544.292	0	RS-700	-0.03855452830
11582	-122.361	37.717	2210.800	2088828.203	6023545.777	0	RS-700	0.39496723270
11583	-122.361	37.717	2218.241	2088827.292	6023547.610	0	RS-700	0.44176880503
11584	-122.361	37.717	2119.447	2088826.487	6023549.677	0	RS-700	-0.17958037736
11585	-122.361	37.717	2162.345	2088825.791	6023551.688	0	RS-700	0.09021823899
11586	-122.361	37.717	2112.440	2088824.731	6023553.721	0	RS-700	-0.22365037736
11587	-122.361	37.717	2053.635	2088823.161	6023555.744	0	RS-700	-0.59349270440
11588	-122.360	37.717	2053.842	2088821.451	6023557.504	0	RS-700	-0.59219100629
11589	-122.360	37.717	1999.027	2088820.011	6023558.488	0	RS-700	-0.93693918239
11590	-122.360	37.717	2092.874	2088819.122	6023559.222	0	RS-700	-0.34670396226
11591	-122.360	37.717	2120.655	2088818.271	6023559.929	0	RS-700	-0.17198031447
11592	-122.360	37.717	2048.420	2088817.529	6023560.579	0	RS-700	-0.62629056604
11593	-122.360	37.717	2092.827	2088816.678	6023561.286	0	RS-700	-0.34699874214
11594	-122.360	37.717	2032.731	2088815.299	6023562.850	0	RS-700	-0.72496295598
11595	-122.360	37.717	1983.714	2088814.142	6023564.273	0	RS-700	-1.03324817610
11596	-122.360	37.717	2005.616	2088813.358	6023565.241	0	RS-700	-0.89549761006
11597	-122.360	37.717	1958.810	2088813.058	6023565.640	0	RS-700	-1.18987182390
11598	-122.360	37.717	1913.300	2088813.058	6023565.640	0	RS-700	-1.47610182390
11599	-122.360	37.717	2035.835	2088813.058	6023565.640	0	RS-700	-0.70543830189
11600	-122.360	37.717	2053.355	2088813.058	6023565.640	0	RS-700	-0.59525018868
11601	-122.360	37.717	2128.981	2088813.022	6023565.639	0	RS-700	-0.11961798742
11602	-122.360	37.717	2024.828	2088813.022	6023565.639	0	RS-700	-0.77466911950
11603	-122.360	37.717	2058.637	2088812.909	6023565.811	0	RS-700	-0.56203150943
11604	-122.360	37.717	2003.628	2088812.121	6023567.010	0	RS-700	-0.90799924528
11605	-122.360	37.717	2027.745	2088810.703	6023568.689	0	RS-700	-0.75632119497
11606	-122.360	37.717	2046.757	2088808.630	6023570.412	0	RS-700	-0.63674981132
11607	-122.360	37.717	2067.840	2088806.306	6023571.900	0	RS-700	-0.50415320755
11608	-122.360	37.717	2032.432	2088803.803	6023573.210	0	RS-700	-0.72684452830
11609	-122.360	37.717	2026.728	2088801.224	6023574.692	0	RS-700	-0.76271660377

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11610	-122.360	37.717	2057.846	2088798.643	6023576.318	0	RS-700	-0.56700578616
11611	-122.360	37.717	1937.594	2088796.058	6023578.118	0	RS-700	-1.32330509434
11612	-122.360	37.717	2059.433	2088793.651	6023580.096	0	RS-700	-0.55702213837
11613	-122.360	37.717	1991.103	2088791.678	6023582.226	0	RS-700	-0.98677446541
11614	-122.360	37.717	2045.634	2088789.741	6023584.444	0	RS-700	-0.64381333333
11615	-122.360	37.717	1961.213	2088787.915	6023586.520	0	RS-700	-1.17476371069
11616	-122.360	37.717	2036.832	2088786.122	6023588.741	0	RS-700	-0.69916817610
11617	-122.360	37.717	2068.949	2088784.326	6023591.164	0	RS-700	-0.49717534591
11618	-122.360	37.717	2033.832	2088782.603	6023593.560	0	RS-700	-0.71803503145
11619	-122.360	37.717	2124.018	2088780.809	6023595.897	0	RS-700	-0.15082855346
11620	-122.360	37.717	2078.433	2088778.796	6023598.229	0	RS-700	-0.43752578616
11621	-122.360	37.717	2107.862	2088777.077	6023600.423	0	RS-700	-0.25243911950
11622	-122.360	37.717	1978.311	2088775.582	6023602.360	0	RS-700	-1.06722377358
11623	-122.360	37.717	1889.750	2088774.120	6023604.443	0	RS-700	-1.62421352201
11624	-122.360	37.717	1991.615	2088773.165	6023606.681	0	RS-700	-0.98355125786
11625	-122.360	37.717	1985.815	2088772.759	6023608.756	0	RS-700	-1.02003194969
11626	-122.360	37.717	1968.704	2088772.064	6023610.738	0	RS-700	-1.12764641509
11627	-122.360	37.717	1990.716	2088770.856	6023612.884	0	RS-700	-0.98920855346
11628	-122.360	37.717	1912.876	2088769.283	6023615.080	0	RS-700	-1.47876490566
11629	-122.360	37.717	2060.838	2088767.527	6023617.302	0	RS-700	-0.54818622642
11630	-122.360	37.717	2039.528	2088765.659	6023619.666	0	RS-700	-0.68221100629
11631	-122.360	37.717	2049.531	2088763.719	6023622.028	0	RS-700	-0.61930012579
11632	-122.360	37.717	2022.013	2088761.924	6023624.365	0	RS-700	-0.79236823899
11633	-122.360	37.717	2068.849	2088760.201	6023626.790	0	RS-700	-0.49780383648
11634	-122.360	37.717	1915.879	2088758.440	6023629.243	0	RS-700	-1.45987886792
11635	-122.360	37.717	2067.745	2088756.828	6023631.583	0	RS-700	-0.50475138365
11636	-122.360	37.717	1947.606	2088755.177	6023633.981	0	RS-700	-1.26033748428
11637	-122.360	37.717	2008.223	2088753.490	6023636.435	0	RS-700	-0.87910182390
11638	-122.360	37.717	2088.646	2088751.728	6023638.946	0	RS-700	-0.37329283019
11639	-122.360	37.717	2068.742	2088750.042	6023641.343	0	RS-700	-0.49847654088
11640	-122.360	37.717	1993.606	2088748.282	6023643.738	0	RS-700	-0.97103377359
11641	-122.360	37.717	2027.727	2088747.062	6023646.520	0	RS-700	-0.75643396226
11642	-122.360	37.717	1974.316	2088746.384	6023649.486	0	RS-700	-1.09235169811
11643	-122.360	37.717	2025.729	2088745.558	6023652.536	0	RS-700	-0.76900006289
11644	-122.360	37.717	1986.714	2088744.261	6023655.519	0	RS-700	-1.01437591195
11645	-122.360	37.717	1929.597	2088742.674	6023658.410	0	RS-700	-1.37360490566
11646	-122.360	37.717	1934.596	2088741.054	6023661.126	0	RS-700	-1.34216106918
11647	-122.360	37.717	1963.605	2088739.288	6023663.839	0	RS-700	-1.15971767296
11648	-122.360	37.717	1944.602	2088737.630	6023666.642	0	RS-700	-1.27923364780
11649	-122.360	37.717	2017.216	2088735.899	6023669.442	0	RS-700	-0.82253811321
11650	-122.360	37.717	1964.093	2088734.347	6023672.391	0	RS-700	-1.15664987421
11651	-122.360	37.717	2055.634	2088732.799	6023675.167	0	RS-700	-0.58091899371
11652	-122.360	37.717	1938.800	2088731.143	6023677.824	0	RS-700	-1.31572622642
11653	-122.360	37.717	1254.246	2088728.987	6023680.038	0	RS-700	-5.62109509434
11654	-122.360	37.717	1204.527	2088726.978	6023682.197	0	RS-700	-5.93379314465

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11655	-122.360	37.717	1632.763	2088725.119	6023684.098	0	RS-700	-3.24048654088
11656	-122.360	37.717	1955.114	2088723.439	6023686.148	0	RS-700	-1.21312119497
11657	-122.360	37.717	2003.412	2088721.898	6023688.548	0	RS-700	-0.90935698113
11658	-122.360	37.717	2045.732	2088720.099	6023691.115	0	RS-700	-0.64319232704
11659	-122.360	37.717	2056.945	2088718.188	6023693.826	0	RS-700	-0.57267025157
11660	-122.360	37.717	1987.819	2088716.712	6023696.632	0	RS-700	-1.00743081761
11661	-122.360	37.717	2051.947	2088714.876	6023699.199	0	RS-700	-0.60411006289
11662	-122.360	37.717	2036.730	2088713.039	6023701.853	0	RS-700	-0.69981283019
11663	-122.360	37.717	2091.548	2088711.169	6023704.304	0	RS-700	-0.35504616352
11664	-122.360	37.717	2108.169	2088709.479	6023706.903	0	RS-700	-0.25051088050
11665	-122.360	37.717	2088.064	2088707.750	6023709.588	0	RS-700	-0.37695333333
11666	-122.360	37.717	2050.837	2088706.018	6023712.447	0	RS-700	-0.61108641509
11667	-122.360	37.717	2009.818	2088704.288	6023715.190	0	RS-700	-0.86906754717
11668	-122.360	37.717	1990.912	2088702.487	6023717.873	0	RS-700	-0.98797289308
11669	-122.360	37.716	2022.626	2088700.798	6023720.386	0	RS-700	-0.78851402516
11670	-122.360	37.716	1916.203	2088698.964	6023722.866	0	RS-700	-1.45784333333
11671	-122.360	37.716	2009.226	2088697.091	6023725.491	0	RS-700	-0.87279534591
11672	-122.360	37.716	2097.657	2088695.145	6023728.142	0	RS-700	-0.31662553459
11673	-122.360	37.716	2023.423	2088693.162	6023730.794	0	RS-700	-0.78350584906
11674	-122.360	37.716	1997.223	2088691.363	6023733.362	0	RS-700	-0.94828572327
11675	-122.360	37.716	2140.878	2088689.602	6023735.844	0	RS-700	-0.04479094340
11676	-122.360	37.716	1955.906	2088687.657	6023738.380	0	RS-700	-1.20813735849
11677	-122.360	37.716	2007.926	2088685.678	6023740.857	0	RS-700	-0.88096578616
11678	-122.360	37.716	2029.026	2088683.701	6023743.190	0	RS-700	-0.74826113208
11679	-122.360	37.716	2037.630	2088681.722	6023745.639	0	RS-700	-0.69414798742
11680	-122.360	37.716	2122.553	2088679.781	6023748.060	0	RS-700	-0.16004496855
11681	-122.360	37.716	2095.749	2088677.986	6023750.396	0	RS-700	-0.32862169811
11682	-122.360	37.716	2175.995	2088676.155	6023752.732	0	RS-700	0.17606685535
11683	-122.360	37.716	2068.264	2088674.320	6023755.271	0	RS-700	-0.50148295598
11684	-122.360	37.716	2070.542	2088672.591	6023757.985	0	RS-700	-0.48715949686
11685	-122.360	37.716	2114.493	2088671.007	6023760.730	0	RS-700	-0.21073377359
11686	-122.360	37.716	2151.882	2088669.603	6023763.567	0	RS-700	0.02441685535
11687	-122.360	37.716	2143.554	2088668.054	6023766.371	0	RS-700	-0.02796012579
11688	-122.360	37.716	2028.940	2088666.255	6023768.939	0	RS-700	-0.74880339623
11689	-122.360	37.716	2044.638	2088664.422	6023771.362	0	RS-700	-0.65007773585
11690	-122.360	37.716	2150.772	2088662.477	6023773.927	0	RS-700	-0.13263381232
11691	-122.360	37.716	2398.384	2088660.932	6023776.529	0	RS-700	0.59350217009
11692	-122.360	37.716	2567.404	2088659.467	6023778.785	0	RS-700	1.08915994135
11693	-122.360	37.716	1984.702	2088658.073	6023781.159	0	RS-700	-0.61964255132
11694	-122.360	37.716	1522.394	2088656.681	6023783.359	0	RS-700	-1.97538404692
11695	-122.360	37.716	2162.451	2088655.547	6023785.477	0	RS-700	-0.09838328446
11696	-122.360	37.716	2666.367	2088654.340	6023787.565	0	RS-700	1.37937483871
11697	-122.360	37.716	2431.753	2088652.584	6023789.758	0	RS-700	1.78460930818
11698	-122.360	37.716	2083.859	2088650.900	6023792.039	0	RS-700	-0.40339987421
11699	-122.360	37.716	2105.761	2088649.104	6023794.462	0	RS-700	-0.26565691824

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**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11700	-122.360	37.716	2089.968	2088647.632	6023797.037	0	RS-700	-0.36497861635
11701	-122.360	37.716	2025.624	2088646.059	6023799.233	0	RS-700	-0.76965855346
11702	-122.360	37.716	2065.531	2088645.067	6023801.528	0	RS-700	-0.51867496855
11703	-122.360	37.716	1985.110	2088645.128	6023803.959	0	RS-700	-1.02446471698
11704	-122.360	37.716	1995.528	2088646.210	6023806.324	0	RS-700	-0.95894572327
11705	-122.360	37.716	1979.708	2088647.675	6023807.742	0	RS-700	-1.05844150943
11706	-122.360	37.716	2067.364	2088649.483	6023808.356	0	RS-700	-0.50714553459
11707	-122.360	37.716	2107.652	2088651.270	6023808.247	0	RS-700	-0.25376182390
11708	-122.360	37.716	2120.165	2088652.811	6023807.670	0	RS-700	-0.17506591195
11709	-122.360	37.716	2092.072	2088654.355	6023806.949	0	RS-700	-0.35174716981
11710	-122.360	37.716	2025.336	2088655.755	6023806.167	0	RS-700	-0.77147062893
11711	-122.360	37.716	2098.068	2088657.084	6023805.267	0	RS-700	-0.31403836478
11712	-122.360	37.716	2098.645	2088658.085	6023804.361	0	RS-700	-0.31040943396
11713	-122.360	37.716	2078.844	2088659.085	6023803.513	0	RS-700	-0.43494169811
11714	-122.360	37.716	2110.764	2088659.538	6023802.712	0	RS-700	-0.23418591195
11715	-122.360	37.716	2091.544	2088659.986	6023802.143	0	RS-700	-0.35506943396
11716	-122.360	37.716	2064.533	2088660.470	6023801.603	0	RS-700	-0.52495075472
11717	-122.360	37.716	2020.140	2088660.767	6023801.319	0	RS-700	-0.80414955975
11718	-122.360	37.716	2091.549	2088660.656	6023801.433	0	RS-700	-0.35503729560
11719	-122.360	37.716	2093.751	2088660.507	6023801.603	0	RS-700	-0.34118974843
11720	-122.360	37.716	2011.319	2088660.324	6023801.657	0	RS-700	-0.85962836478
11721	-122.360	37.716	2153.993	2088660.847	6023801.002	0	RS-700	0.03768924528
11722	-122.360	37.716	2266.588	2088662.264	6023799.295	0	RS-700	0.74583830189
11723	-122.360	37.716	2401.501	2088663.804	6023796.982	0	RS-700	0.60264304985
11724	-122.360	37.716	2044.637	2088665.373	6023794.959	0	RS-700	-0.44388008798
11725	-122.360	37.716	1523.623	2088666.424	6023793.389	0	RS-700	-1.97178087977
11726	-122.360	37.716	1743.538	2088667.693	6023791.852	0	RS-700	-1.32686850440
11727	-122.360	37.716	2076.950	2088668.662	6023790.743	0	RS-700	-0.34912099707
11728	-122.360	37.716	2531.903	2088669.674	6023789.316	0	RS-700	0.98505293255
11729	-122.360	37.716	2378.209	2088670.767	6023787.429	0	RS-700	0.53433636364
11730	-122.360	37.716	2044.532	2088671.982	6023784.936	0	RS-700	-0.44418747801
11731	-122.360	37.716	1866.363	2088673.884	6023782.717	0	RS-700	-0.96667692082
11732	-122.360	37.716	2043.040	2088675.937	6023780.212	0	RS-700	-0.66012509434
11733	-122.360	37.716	1995.118	2088677.835	6023778.138	0	RS-700	-0.96152157233
11734	-122.360	37.716	2082.173	2088679.288	6023776.518	0	RS-700	-0.41400874214
11735	-122.360	37.716	2056.738	2088680.258	6023775.322	0	RS-700	-0.57397522013
11736	-122.360	37.716	2186.896	2088680.781	6023774.696	0	RS-700	0.24462987421
11737	-122.360	37.716	2193.563	2088680.856	6023774.553	0	RS-700	0.28655685535
11738	-122.360	37.716	2219.239	2088680.782	6023774.638	0	RS-700	0.44804628931
11739	-122.360	37.716	2120.868	2088680.782	6023774.638	0	RS-700	-0.17064182390
11740	-122.360	37.716	2083.056	2088680.746	6023774.608	0	RS-700	-0.40845377359
11741	-122.360	37.716	2139.344	2088680.745	6023774.637	0	RS-700	-0.05443754717
11742	-122.360	37.716	2111.440	2088681.234	6023773.866	0	RS-700	-0.22993805031
11743	-122.360	37.716	2017.622	2088682.436	6023772.038	0	RS-700	-0.81998641509
11744	-122.360	37.716	2077.954	2088684.266	6023769.731	0	RS-700	-0.44054031447

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11745	-122.360	37.716	2072.434	2088686.390	6023767.314	0	RS-700	-0.47525603774
11746	-122.360	37.716	2082.854	2088688.553	6023764.753	0	RS-700	-0.40972308176
11747	-122.360	37.716	2154.772	2088690.610	6023762.075	0	RS-700	0.04259150943
11748	-122.360	37.716	2117.991	2088692.557	6023759.394	0	RS-700	-0.18873805031
11749	-122.360	37.716	2040.939	2088694.505	6023756.655	0	RS-700	-0.67333660377
11750	-122.360	37.716	2142.767	2088696.523	6023754.092	0	RS-700	-0.03290918239
11751	-122.360	37.716	1968.703	2088698.396	6023751.438	0	RS-700	-1.12765257862
11752	-122.360	37.716	1971.510	2088700.235	6023748.727	0	RS-700	-1.11000088050
11753	-122.360	37.717	1962.607	2088702.108	6023746.102	0	RS-700	-1.16599188679
11754	-122.360	37.717	2088.272	2088704.016	6023743.565	0	RS-700	-0.37565075472
11755	-122.360	37.717	1991.317	2088706.066	6023741.176	0	RS-700	-0.98542874214
11756	-122.360	37.717	1956.707	2088708.228	6023738.702	0	RS-700	-1.20310056604
11757	-122.360	37.717	2009.522	2088710.353	6023736.198	0	RS-700	-0.87092962264
11758	-122.360	37.717	2043.630	2088712.406	6023733.722	0	RS-700	-0.65641389937
11759	-122.360	37.717	2095.663	2088714.458	6023731.217	0	RS-700	-0.32916616352
11760	-122.360	37.717	2117.765	2088716.511	6023728.741	0	RS-700	-0.19015805031
11761	-122.360	37.717	2057.636	2088718.451	6023726.378	0	RS-700	-0.56832754717
11762	-122.360	37.717	1976.316	2088720.500	6023724.104	0	RS-700	-1.07977610063
11763	-122.360	37.717	2148.234	2088722.550	6023721.715	0	RS-700	0.00147257862
11764	-122.360	37.717	2023.730	2088724.672	6023719.385	0	RS-700	-0.78157515723
11765	-122.360	37.717	2097.859	2088726.756	6023717.141	0	RS-700	-0.31535427673
11766	-122.360	37.717	2067.345	2088728.517	6023714.659	0	RS-700	-0.50726641509
11767	-122.360	37.717	2028.524	2088729.811	6023711.878	0	RS-700	-0.75141849057
11768	-122.360	37.717	1978.710	2088731.288	6023709.014	0	RS-700	-1.06471880503
11769	-122.360	37.717	1770.548	2088732.837	6023706.239	0	RS-700	-2.37391320755
11770	-122.360	37.717	1504.390	2088734.454	6023703.667	0	RS-700	-4.04786201258
11771	-122.360	37.717	2021.626	2088735.997	6023701.123	0	RS-700	-0.79480371069
11772	-122.360	37.717	1754.632	2088737.466	6023698.693	0	RS-700	-2.47401459119
11773	-122.360	37.717	1218.319	2088738.832	6023695.914	0	RS-700	-5.84704792453
11774	-122.360	37.717	1182.184	2088740.298	6023693.658	0	RS-700	-6.07431358491
11775	-122.360	37.717	1375.360	2088741.357	6023691.654	0	RS-700	-4.85937377358
11776	-122.360	37.717	1785.463	2088741.942	6023689.698	0	RS-700	-2.28010446541
11777	-122.360	37.717	1994.819	2088744.564	6023687.870	0	RS-700	-0.96340213837
11778	-122.360	37.717	1986.025	2088746.391	6023685.736	0	RS-700	-1.01870911950
11779	-122.360	37.717	1976.403	2088747.854	6023683.596	0	RS-700	-1.07922704403
11780	-122.360	37.717	2107.666	2088750.880	6023681.602	0	RS-700	-0.25367163522
11781	-122.360	37.717	1984.918	2088753.144	6023679.477	0	RS-700	-1.02567025157
11782	-122.360	37.717	2075.634	2088755.192	6023677.232	0	RS-700	-0.45513352201
11783	-122.360	37.717	2006.419	2088757.132	6023674.869	0	RS-700	-0.89044666667
11784	-122.360	37.717	2013.325	2088758.964	6023672.505	0	RS-700	-0.84701352201
11785	-122.360	37.717	1967.623	2088761.372	6023670.441	0	RS-700	-1.13444647799
11786	-122.360	37.717	2006.817	2088763.882	6023668.755	0	RS-700	-0.88794031447
11787	-122.360	37.717	1955.507	2088766.325	6023666.778	0	RS-700	-1.21064528302
11788	-122.360	37.717	1978.413	2088768.625	6023664.654	0	RS-700	-1.06658792453
11789	-122.360	37.717	2038.036	2088770.783	6023662.353	0	RS-700	-0.69159930818

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11790	-122.360	37.717	2043.710	2088772.798	6023659.934	0	RS-700	-0.65590918239
11791	-122.360	37.717	1988.719	2088775.100	6023657.724	0	RS-700	-1.00176974843
11792	-122.360	37.717	1994.707	2088776.860	6023655.299	0	RS-700	-0.96410647799
11793	-122.360	37.717	2013.829	2088778.621	6023652.818	0	RS-700	-0.84384050315
11794	-122.360	37.717	2104.470	2088780.128	6023650.302	0	RS-700	-0.27377069182
11795	-122.360	37.717	1999.911	2088781.454	6023647.695	0	RS-700	-0.93137522013
11796	-122.360	37.717	2028.132	2088783.109	6023645.067	0	RS-700	-0.75388515723
11797	-122.360	37.717	2028.728	2088785.054	6023642.501	0	RS-700	-0.75013918239
11798	-122.360	37.717	2090.627	2088786.815	6023640.020	0	RS-700	-0.36083628931
11799	-122.360	37.717	1975.514	2088788.579	6023637.393	0	RS-700	-1.08481924528
11800	-122.360	37.717	2011.726	2088790.491	6023634.625	0	RS-700	-0.85706666667
11801	-122.360	37.717	1955.895	2088792.291	6023631.999	0	RS-700	-1.20820823899
11802	-122.360	37.717	2045.838	2088794.092	6023629.344	0	RS-700	-0.64252830189
11803	-122.360	37.717	1993.921	2088795.969	6023626.546	0	RS-700	-0.96904754717
11804	-122.360	37.717	1918.785	2088797.773	6023623.718	0	RS-700	-1.44160610063
11805	-122.360	37.717	1962.410	2088799.614	6023620.891	0	RS-700	-1.16723327044
11806	-122.360	37.717	2005.510	2088801.489	6023618.150	0	RS-700	-0.89616044025
11807	-122.360	37.717	1942.406	2088803.434	6023615.585	0	RS-700	-1.29304647799
11808	-122.360	37.717	1963.903	2088805.345	6023612.875	0	RS-700	-1.15784169811
11809	-122.360	37.717	1994.516	2088807.148	6023610.134	0	RS-700	-0.96530534591
11810	-122.360	37.717	2028.632	2088808.950	6023607.421	0	RS-700	-0.75074201258
11811	-122.360	37.717	2104.651	2088810.898	6023604.682	0	RS-700	-0.27263440252
11812	-122.360	37.717	2002.727	2088813.062	6023602.093	0	RS-700	-0.91366358491
11813	-122.360	37.717	2021.526	2088815.334	6023599.534	0	RS-700	-0.79543320755
11814	-122.360	37.717	2018.416	2088817.572	6023596.888	0	RS-700	-0.81499194969
11815	-122.360	37.717	2100.757	2088819.922	6023594.100	0	RS-700	-0.29712270440
11816	-122.360	37.717	2026.828	2088822.200	6023591.281	0	RS-700	-0.76208874214
11817	-122.360	37.717	2066.541	2088824.329	6023588.604	0	RS-700	-0.51232050315
11818	-122.360	37.717	2118.871	2088826.314	6023585.808	0	RS-700	-0.18320389937
11819	-122.360	37.717	2094.544	2088828.262	6023583.127	0	RS-700	-0.33620018868
11820	-122.360	37.717	2033.213	2088830.246	6023580.418	0	RS-700	-0.72193025157
11821	-122.360	37.717	2156.102	2088832.194	6023577.680	0	RS-700	0.05095723270
11822	-122.360	37.717	2033.847	2088834.395	6023575.033	0	RS-700	-0.71794308176
11823	-122.360	37.717	2158.209	2088836.345	6023572.208	0	RS-700	0.06420786164
11824	-122.360	37.717	2152.993	2088838.189	6023569.235	0	RS-700	0.03140100629
11825	-122.360	37.717	2097.958	2088839.851	6023566.231	0	RS-700	-0.31473176101
11826	-122.360	37.717	1666.008	2088841.547	6023563.343	0	RS-700	-3.03139622642
11827	-122.360	37.717	2154.895	2088843.785	6023560.696	0	RS-700	0.04336729560
11828	-122.360	37.717	2044.959	2088846.094	6023558.139	0	RS-700	-0.64805515723
11829	-122.361	37.717	1264.508	2088848.295	6023555.521	0	RS-700	-5.55655050314
11830	-122.361	37.717	1238.134	2088850.389	6023552.756	0	RS-700	-5.72242842767
11831	-122.361	37.717	1987.817	2088852.190	6023550.073	0	RS-700	-1.00744000000
11832	-122.361	37.717	2091.956	2088853.413	6023547.204	0	RS-700	-0.35247572327
11833	-122.361	37.717	2072.058	2088855.108	6023544.373	0	RS-700	-0.47762006289
11834	-122.361	37.717	2113.088	2088856.984	6023541.633	0	RS-700	-0.21957540881

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11835	-122.361	37.717	1971.511	2088859.292	6023539.076	0	RS-700	-1.10999163522
11836	-122.361	37.717	1927.900	2088861.709	6023536.607	0	RS-700	-1.38427433962
11837	-122.361	37.717	1945.799	2088863.945	6023534.018	0	RS-700	-1.27170490566
11838	-122.361	37.717	1961.893	2088866.035	6023531.514	0	RS-700	-1.17048213836
11839	-122.361	37.717	1992.204	2088868.015	6023529.008	0	RS-700	-0.97984616352
11840	-122.361	37.717	2025.635	2088870.175	6023526.591	0	RS-700	-0.76959018868
11841	-122.361	37.717	1986.013	2088872.335	6023524.175	0	RS-700	-1.01878396226
11842	-122.361	37.717	2082.848	2088874.387	6023521.728	0	RS-700	-0.40976044025
11843	-122.361	37.717	2111.087	2088876.106	6023519.506	0	RS-700	-0.23215779874
11844	-122.361	37.717	1949.908	2088877.413	6023517.912	0	RS-700	-1.24586056604
11845	-122.361	37.717	1835.292	2088878.054	6023516.796	0	RS-700	-1.96671566038
11846	-122.361	37.717	1974.199	2088879.431	6023515.319	0	RS-700	-1.09309056604
11847	-122.361	37.717	2114.766	2088880.639	6023513.173	0	RS-700	-0.20902100629
11848	-122.361	37.717	2043.942	2088882.320	6023511.066	0	RS-700	-0.65445308176
11849	-122.361	37.717	2141.876	2088884.043	6023508.641	0	RS-700	-0.03851446541
11850	-122.361	37.717	2195.005	2088885.914	6023506.132	0	RS-700	0.29562786164
11851	-122.361	37.717	2277.275	2088887.820	6023503.682	0	RS-700	0.81305050315
11852	-122.361	37.717	2170.885	2088889.429	6023501.544	0	RS-700	0.14393283019
11853	-122.361	37.717	2205.233	2088890.589	6023499.947	0	RS-700	0.35995849057
11854	-122.361	37.717	2235.138	2088891.375	6023498.893	0	RS-700	0.54803817610
11855	-122.361	37.717	2140.772	2088891.824	6023498.294	0	RS-700	-0.04545937107
11856	-122.361	37.717	2143.881	2088892.312	6023497.580	0	RS-700	-0.02590415094
11857	-122.361	37.717	2184.796	2088893.202	6023496.759	0	RS-700	0.23142415094
11858	-122.361	37.717	2235.576	2088894.092	6023495.967	0	RS-700	0.55079496855
11859	-122.361	37.717	2166.088	2088896.061	6023494.039	0	RS-700	0.11375981132
11860	-122.361	37.717	2153.903	2088898.000	6023491.763	0	RS-700	0.03712566038
11861	-122.361	37.717	2165.642	2088899.762	6023489.223	0	RS-700	0.11095622642
11862	-122.361	37.717	2173.220	2088901.184	6023487.284	0	RS-700	0.15861522013
11863	-122.361	37.717	2191.228	2088901.934	6023486.229	0	RS-700	0.27187352201
11864	-122.361	37.717	2119.548	2088901.596	6023486.743	0	RS-700	-0.17894031447
11865	-122.361	37.717	2178.560	2088901.520	6023486.886	0	RS-700	0.19220000000
11866	-122.361	37.717	2150.197	2088901.521	6023486.857	0	RS-700	0.01381767296
11867	-122.361	37.717	2055.947	2088901.558	6023486.800	0	RS-700	-0.57894691824
11868	-122.361	37.717	2176.876	2088901.558	6023486.800	0	RS-700	0.18161157233
11869	-122.361	37.717	2212.127	2088901.558	6023486.800	0	RS-700	0.40331477987
11870	-122.361	37.717	2247.572	2088901.558	6023486.800	0	RS-700	0.62624075472
11871	-122.361	37.717	2209.684	2088901.522	6023486.799	0	RS-700	0.38794987421
11872	-122.361	37.717	2123.390	2088901.522	6023486.799	0	RS-700	-0.15477861635
11873	-122.361	37.717	2310.490	2088901.634	6023486.657	0	RS-700	1.02195006289
11874	-122.361	37.717	2101.965	2088902.868	6023485.032	0	RS-700	-0.28952610063
11875	-122.361	37.717	2150.096	2088904.669	6023482.377	0	RS-700	0.01318396226
11876	-122.361	37.717	2132.766	2088906.406	6023479.287	0	RS-700	-0.09581396226
11877	-122.361	37.717	2108.651	2088908.183	6023475.996	0	RS-700	-0.24747584906
11878	-122.361	37.717	2147.985	2088909.852	6023472.615	0	RS-700	-0.00009459119
11879	-122.361	37.717	2127.448	2088911.445	6023469.464	0	RS-700	-0.12926056604

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11880	-122.361	37.717	2192.443	2088912.709	6023466.336	0	RS-700	0.27951308176
11881	-122.361	37.717	2156.205	2088913.867	6023463.032	0	RS-700	0.05160408805
11882	-122.361	37.717	2264.927	2088914.770	6023459.723	0	RS-700	0.73539081761
11883	-122.361	37.717	2245.694	2088915.599	6023456.499	0	RS-700	0.61443050315
11884	-122.361	37.717	2180.001	2088916.573	6023453.336	0	RS-700	0.20126477987
11885	-122.361	37.717	2179.786	2088917.689	6023450.321	0	RS-700	0.19991327044
11886	-122.361	37.717	2223.133	2088918.771	6023447.189	0	RS-700	0.47253496855
11887	-122.361	37.717	2294.513	2088919.816	6023444.056	0	RS-700	0.92146371069
11888	-122.361	37.717	2205.901	2088920.924	6023441.475	0	RS-700	0.36415748428
11889	-122.361	37.717	2191.566	2088922.005	6023438.372	0	RS-700	0.27399899371
11890	-122.361	37.717	2285.037	2088923.225	6023435.619	0	RS-700	0.86186716981
11891	-122.361	37.717	2166.101	2088924.308	6023432.458	0	RS-700	0.11384327044
11892	-122.361	37.717	2158.557	2088925.065	6023429.175	0	RS-700	0.06639830189
11893	-122.361	37.717	2076.154	2088925.387	6023425.796	0	RS-700	-0.45186169811
11894	-122.361	37.717	2186.571	2088925.418	6023422.441	0	RS-700	0.24258547170
11895	-122.361	37.717	2149.784	2088925.730	6023419.554	0	RS-700	0.01121974843
11896	-122.361	37.717	2074.047	2088926.987	6023416.802	0	RS-700	-0.46511106918
11897	-122.361	37.717	2223.549	2088928.244	6023414.021	0	RS-700	0.47515144654
11898	-122.361	37.717	2133.193	2088930.042	6023411.482	0	RS-700	-0.09312283019
11899	-122.361	37.717	2183.785	2088931.877	6023408.943	0	RS-700	0.22506301887
11900	-122.361	37.717	2184.685	2088933.713	6023406.376	0	RS-700	0.23072503145
11901	-122.361	37.717	2049.046	2088935.115	6023403.656	0	RS-700	-0.62235000000
11902	-122.361	37.717	1761.593	2088936.260	6023401.017	0	RS-700	-2.43022968553
11903	-122.361	37.717	1757.868	2088937.943	6023398.794	0	RS-700	-2.45366000000
11904	-122.361	37.717	1729.583	2088940.094	6023396.811	0	RS-700	-2.63155182390
11905	-122.361	37.717	2127.490	2088942.503	6023394.747	0	RS-700	-0.12899207547
11906	-122.361	37.717	2119.761	2088944.771	6023392.420	0	RS-700	-0.17760100629
11907	-122.361	37.717	2102.997	2088946.859	6023389.974	0	RS-700	-0.28303685535
11908	-122.361	37.717	2110.389	2088949.091	6023387.588	0	RS-700	-0.23654477987
11909	-122.361	37.717	2158.668	2088951.399	6023385.088	0	RS-700	0.06709138365
11910	-122.361	37.717	2177.673	2088953.708	6023382.501	0	RS-700	0.18662100629
11911	-122.361	37.717	2067.631	2088955.943	6023380.029	0	RS-700	-0.50546283019
11912	-122.361	37.717	2010.928	2088958.141	6023377.527	0	RS-700	-0.86209006289
11913	-122.361	37.717	2083.048	2088960.451	6023374.940	0	RS-700	-0.40850169811
11914	-122.361	37.717	2149.670	2088962.684	6023372.525	0	RS-700	0.01050572327
11915	-122.361	37.717	2093.871	2088965.178	6023369.826	0	RS-700	-0.34043188679
11916	-122.361	37.717	2141.338	2088967.525	6023367.183	0	RS-700	-0.04189761006
11917	-122.361	37.717	2082.861	2088969.800	6023364.451	0	RS-700	-0.40967622642
11918	-122.361	37.717	2102.232	2088972.218	6023361.895	0	RS-700	-0.28784918239
11919	-122.361	37.717	2150.665	2088974.490	6023359.394	0	RS-700	0.01676150943
11920	-122.361	37.717	2111.755	2088976.725	6023356.893	0	RS-700	-0.22795459120
11921	-122.361	37.717	2062.637	2088979.068	6023354.451	0	RS-700	-0.53687408805
11922	-122.361	37.717	2008.826	2088981.230	6023351.920	0	RS-700	-0.87530937107
11923	-122.361	37.717	2166.888	2088983.180	6023349.123	0	RS-700	0.11879352201
11924	-122.361	37.717	2164.774	2088985.381	6023346.476	0	RS-700	0.10549440252



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11925	-122.361	37.717	2191.094	2088987.763	6023343.920	0	RS-700	0.27102949686
11926	-122.361	37.717	2218.117	2088989.965	6023341.216	0	RS-700	0.44099037736
11927	-122.361	37.717	2208.799	2088992.279	6023338.397	0	RS-700	0.38238283019
11928	-122.361	37.717	2154.791	2088994.556	6023335.637	0	RS-700	0.04270893082
11929	-122.361	37.717	2024.830	2088996.472	6023332.666	0	RS-700	-0.77465106918
11930	-122.361	37.717	2081.429	2088998.424	6023329.754	0	RS-700	-0.41868452830
11931	-122.361	37.717	2118.645	2089000.514	6023327.192	0	RS-700	-0.18462176101
11932	-122.361	37.717	2151.781	2089002.491	6023324.859	0	RS-700	0.02377767296
11933	-122.361	37.717	2153.681	2089004.431	6023322.525	0	RS-700	0.03572811321
11934	-122.361	37.717	2076.642	2089006.853	6023319.767	0	RS-700	-0.44879452830
11935	-122.361	37.717	2054.253	2089009.277	6023316.951	0	RS-700	-0.58960515723
11936	-122.361	37.717	1972.613	2089011.628	6023314.105	0	RS-700	-1.10306490566
11937	-122.361	37.717	1993.519	2089013.904	6023311.344	0	RS-700	-0.97157610063
11938	-122.361	37.717	2025.438	2089016.146	6023308.466	0	RS-700	-0.77082823899
11939	-122.361	37.717	1993.428	2089018.461	6023305.620	0	RS-700	-0.97214842767
11940	-122.361	37.717	2007.723	2089020.667	6023302.741	0	RS-700	-0.88224817610
11941	-122.361	37.717	2098.758	2089022.946	6023299.836	0	RS-700	-0.30970100629
11942	-122.361	37.717	2034.716	2089025.336	6023296.875	0	RS-700	-0.71247779874
11943	-122.361	37.717	2028.832	2089027.723	6023294.029	0	RS-700	-0.74948729560
11944	-122.361	37.717	2124.656	2089030.180	6023291.387	0	RS-700	-0.14681515723
11945	-122.361	37.717	1971.809	2089032.847	6023289.126	0	RS-700	-1.10811691824
11946	-122.361	37.717	2049.837	2089035.587	6023286.866	0	RS-700	-0.61737987421
11947	-122.361	37.717	2076.971	2089038.218	6023284.604	0	RS-700	-0.44672289308
11948	-122.361	37.717	2074.635	2089040.812	6023282.312	0	RS-700	-0.46141283019
11949	-122.361	37.717	2094.858	2089043.158	6023279.755	0	RS-700	-0.33422389937
11950	-122.361	37.717	2131.564	2089045.322	6023277.166	0	RS-700	-0.10337238994
11951	-122.361	37.717	1866.519	2089047.450	6023274.518	0	RS-700	-1.77031773585
11952	-122.361	37.717	1864.109	2089049.865	6023272.106	0	RS-700	-1.78547616352
11953	-122.362	37.717	2041.632	2089051.849	6023269.427	0	RS-700	-0.66898012579
11954	-122.362	37.717	1737.715	2089053.462	6023267.057	0	RS-700	-2.58040849057
11955	-122.362	37.717	899.142	2089054.829	6023264.221	0	RS-700	-7.85445283019
11956	-122.362	37.717	1552.465	2089057.036	6023261.314	0	RS-700	-3.74550138365
11957	-122.362	37.717	2047.243	2089059.127	6023258.722	0	RS-700	-0.63368949686
11958	-122.362	37.717	2018.929	2089061.002	6023256.011	0	RS-700	-0.81176452830
11959	-122.362	37.717	2093.071	2089062.773	6023253.009	0	RS-700	-0.34546823899
11960	-122.362	37.717	2123.662	2089065.157	6023250.366	0	RS-700	-0.15306993711
11961	-122.362	37.717	2084.547	2089067.216	6023247.543	0	RS-700	-0.39907459120
11962	-122.362	37.717	2087.959	2089069.674	6023244.785	0	RS-700	-0.37761566038
11963	-122.362	37.717	2173.996	2089071.952	6023241.967	0	RS-700	0.16349798742
11964	-122.362	37.717	2039.538	2089073.977	6023239.027	0	RS-700	-0.68214955975
11965	-122.362	37.718	2223.910	2089076.003	6023236.030	0	RS-700	0.47742427673
11966	-122.362	37.718	2227.132	2089078.070	6023232.860	0	RS-700	0.49768540881
11967	-122.362	37.718	2593.316	2089079.989	6023229.715	0	RS-700	1.16514956012
11968	-122.362	37.718	2287.701	2089081.685	6023226.885	0	RS-700	0.26891791789
11969	-122.362	37.718	1575.329	2089083.225	6023224.515	0	RS-700	-1.82014894428

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
11970	-122.362	37.718	1856.482	2089084.282	6023222.626	0	RS-700	-0.99565325513
11971	-122.362	37.718	2502.015	2089085.642	6023220.194	0	RS-700	0.89740337243
11972	-122.362	37.718	2260.583	2089087.667	6023217.226	0	RS-700	0.18939167155
11973	-122.362	37.718	2178.898	2089090.072	6023213.542	0	RS-700	-0.05015173021
11974	-122.362	37.718	2235.803	2089092.663	6023209.601	0	RS-700	0.55221823899
11975	-122.362	37.718	2140.447	2089095.639	6023206.478	0	RS-700	-0.04750283019
11976	-122.362	37.718	2208.242	2089098.250	6023203.347	0	RS-700	0.37888056604
11977	-122.362	37.718	2141.214	2089100.576	6023199.922	0	RS-700	-0.04268094340
11978	-122.362	37.718	2157.780	2089102.724	6023196.290	0	RS-700	0.06150691824
11979	-122.362	37.718	2141.880	2089104.652	6023192.742	0	RS-700	-0.03848849057
11980	-122.362	37.718	2182.892	2089106.581	6023189.164	0	RS-700	0.21944408805
11981	-122.362	37.718	2219.132	2089108.437	6023185.584	0	RS-700	0.44736943396
11982	-122.362	37.718	2230.131	2089110.107	6023182.175	0	RS-700	0.51654698113
11983	-122.362	37.718	2200.901	2089111.703	6023178.851	0	RS-700	0.33271270440
11984	-122.362	37.718	2149.879	2089113.442	6023175.645	0	RS-700	0.01181830189
11985	-122.362	37.718	2134.969	2089115.506	6023172.591	0	RS-700	-0.08195295597
11986	-122.362	37.718	2244.809	2089117.750	6023169.627	0	RS-700	0.60886006289
11987	-122.362	37.718	2171.454	2089120.178	6023166.550	0	RS-700	0.14750886793
11988	-122.362	37.718	2228.138	2089122.463	6023163.385	0	RS-700	0.50401006289
11989	-122.362	37.718	2210.903	2089124.788	6023160.017	0	RS-700	0.39561396226
11990	-122.362	37.718	2169.560	2089126.965	6023156.762	0	RS-700	0.13559849057
11991	-122.362	37.718	2303.065	2089129.141	6023153.565	0	RS-700	0.97524924528
11992	-122.362	37.718	2294.940	2089131.355	6023150.254	0	RS-700	0.92414968554
11993	-122.362	37.718	2231.796	2089133.642	6023147.001	0	RS-700	0.52701672956
11994	-122.362	37.718	2261.806	2089135.852	6023143.921	0	RS-700	0.71576100629
11995	-122.362	37.718	2168.781	2089138.062	6023140.811	0	RS-700	0.13069496855
11996	-122.362	37.718	2292.827	2089140.201	6023137.643	0	RS-700	0.91086025157
11997	-122.362	37.718	2325.719	2089142.341	6023134.416	0	RS-700	1.11773207547
11998	-122.362	37.718	2216.802	2089144.481	6023131.218	0	RS-700	0.43271383648
11999	-122.362	37.718	2206.897	2089146.402	6023128.016	0	RS-700	0.37042433962
12000	-122.362	37.718	2172.780	2089148.359	6023124.844	0	RS-700	0.15584742138
12001	-122.362	37.718	2269.384	2089150.499	6023121.589	0	RS-700	0.76342232704
12002	-122.362	37.718	2186.111	2089153.113	6023118.343	0	RS-700	0.23969421384
12003	-122.362	37.718	2198.903	2089156.010	6023115.507	0	RS-700	0.32014616352
12004	-122.362	37.718	2364.851	2089158.727	6023112.610	0	RS-700	1.36384025157
12005	-122.362	37.718	2265.163	2089161.190	6023109.622	0	RS-700	0.73687371069
12006	-122.362	37.718	2296.498	2089163.510	6023106.515	0	RS-700	0.93394905660
12007	-122.362	37.718	2259.587	2089165.757	6023103.377	0	RS-700	0.70180496855
12008	-122.362	37.718	2295.821	2089167.820	6023100.351	0	RS-700	0.92969465409
12009	-122.362	37.718	2220.024	2089169.814	6023097.151	0	RS-700	0.45298371069
12010	-122.362	37.718	2156.672	2089171.989	6023094.012	0	RS-700	0.05454132075
12011	-122.362	37.718	2283.589	2089174.454	6023090.937	0	RS-700	0.85275911950
12012	-122.362	37.718	2173.324	2089177.100	6023087.923	0	RS-700	0.15927345912
12013	-122.362	37.718	2460.636	2089179.746	6023084.880	0	RS-700	1.96626345912
12014	-122.362	37.718	2357.203	2089182.285	6023081.748	0	RS-700	1.31574119497

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12015	-122.362	37.718	2293.175	2089184.790	6023078.471	0	RS-700	0.91304987421
12016	-122.362	37.718	2329.852	2089187.258	6023075.222	0	RS-700	1.14372050314
12017	-122.362	37.718	2249.581	2089189.618	6023071.942	0	RS-700	0.63887238994
12018	-122.362	37.718	2307.182	2089191.942	6023068.632	0	RS-700	1.00114704403
12019	-122.362	37.718	2262.038	2089194.193	6023065.292	0	RS-700	0.71721930818
12020	-122.362	37.718	2264.817	2089196.514	6023062.127	0	RS-700	0.73469540881
12021	-122.362	37.718	2273.030	2089198.869	6023059.107	0	RS-700	0.78635132076
12022	-122.362	37.718	2433.876	2089201.186	6023056.116	0	RS-700	1.79796150943
12023	-122.362	37.718	2090.963	2089203.653	6023052.954	0	RS-700	-0.35872452830
12024	-122.362	37.718	2201.120	2089206.265	6023049.823	0	RS-700	0.33408949686
12025	-122.362	37.718	2138.873	2089208.947	6023046.781	0	RS-700	-0.05740044025
12026	-122.362	37.718	2179.784	2089211.556	6023043.796	0	RS-700	0.19989792453
12027	-122.362	37.718	2215.463	2089214.057	6023040.750	0	RS-700	0.42429490566
12028	-122.362	37.718	2076.673	2089216.340	6023037.642	0	RS-700	-0.44860037736
12029	-122.362	37.718	2045.717	2089218.444	6023034.415	0	RS-700	-0.64328729560
12030	-122.362	37.718	2214.574	2089220.691	6023031.306	0	RS-700	0.41870660377
12031	-122.362	37.718	2177.672	2089223.118	6023028.288	0	RS-700	0.18661893082
12032	-122.362	37.718	2207.011	2089225.545	6023025.269	0	RS-700	0.37114132076
12033	-122.362	37.718	2179.893	2089228.082	6023022.253	0	RS-700	0.20058465409
12034	-122.362	37.718	2059.942	2089230.654	6023019.267	0	RS-700	-0.55382622642
12035	-122.362	37.718	2160.993	2089232.830	6023016.099	0	RS-700	0.08171446541
12036	-122.362	37.718	2144.570	2089235.042	6023012.903	0	RS-700	-0.02157138365
12037	-122.362	37.718	2187.349	2089237.255	6023009.678	0	RS-700	0.24747647799
12038	-122.362	37.718	2171.890	2089239.467	6023006.482	0	RS-700	0.15025333333
12039	-122.362	37.718	2191.788	2089241.644	6023003.256	0	RS-700	0.27539698113
12040	-122.362	37.718	2108.073	2089243.750	6022999.913	0	RS-700	-0.25111238994
12041	-122.362	37.718	2201.681	2089245.856	6022996.570	0	RS-700	0.33761918239
12042	-122.362	37.718	2141.574	2089247.999	6022993.199	0	RS-700	-0.04041238994
12043	-122.362	37.718	2249.142	2089250.177	6022989.886	0	RS-700	0.63611578616
12044	-122.362	37.718	2276.157	2089252.354	6022986.632	0	RS-700	0.80601823899
12045	-122.363	37.718	2247.030	2089254.531	6022983.406	0	RS-700	0.62282968554
12046	-122.363	37.718	2270.715	2089256.636	6022980.092	0	RS-700	0.77178955975
12047	-122.363	37.718	2327.413	2089258.704	6022976.835	0	RS-700	1.12838522013
12048	-122.363	37.718	2317.134	2089260.806	6022973.666	0	RS-700	1.06373861635
12049	-122.363	37.718	2332.721	2089262.837	6022970.466	0	RS-700	1.16176855346
12050	-122.363	37.718	2379.091	2089264.939	6022967.297	0	RS-700	1.45340069182
12051	-122.363	37.718	2270.591	2089267.005	6022964.126	0	RS-700	0.77101345912
12052	-122.363	37.718	2292.700	2089269.069	6022961.101	0	RS-700	0.91006251572
12053	-122.363	37.718	2218.141	2089271.021	6022958.160	0	RS-700	0.44113867925
12054	-122.363	37.718	2224.140	2089272.790	6022955.302	0	RS-700	0.47886880503
12055	-122.363	37.718	2185.897	2089274.371	6022952.701	0	RS-700	0.23834547170
12056	-122.363	37.718	2300.594	2089275.763	6022950.443	0	RS-700	0.95971238994
12057	-122.363	37.718	2272.703	2089276.932	6022948.470	0	RS-700	0.78429635220
12058	-122.363	37.718	2217.567	2089277.838	6022946.868	0	RS-700	0.43753012579
12059	-122.363	37.718	2296.401	2089278.629	6022945.553	0	RS-700	0.93333672956

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12060	-122.363	37.718	2272.587	2089278.931	6022944.981	0	RS-700	0.78356327044
12061	-122.363	37.718	2313.295	2089279.082	6022944.723	0	RS-700	1.03958874214
12062	-122.363	37.718	2373.964	2089279.158	6022944.551	0	RS-700	1.42115842767
12063	-122.363	37.718	2310.023	2089279.197	6022944.465	0	RS-700	1.01901320755
12064	-122.363	37.718	2298.188	2089279.234	6022944.437	0	RS-700	0.94458012579
12065	-122.360	37.716	2148.191	2088635.658	6023780.193	0	RS-700	0.00120427673
12066	-122.360	37.716	2263.037	2088635.658	6023780.193	0	RS-700	0.72350245283
12067	-122.360	37.716	2194.110	2088635.658	6023780.193	0	RS-700	0.28999798742
12068	-122.360	37.716	2162.772	2088635.658	6023780.193	0	RS-700	0.09290622642
12069	-122.360	37.716	2220.792	2088635.658	6023780.193	0	RS-700	0.45781037736
12070	-122.360	37.716	2162.983	2088635.658	6023780.164	0	RS-700	0.09423427673
12071	-122.360	37.716	2164.091	2088635.658	6023780.193	0	RS-700	0.10119811321
12072	-122.360	37.716	2161.659	2088634.948	6023781.104	0	RS-700	0.08590710692
12073	-122.360	37.716	2161.768	2088633.716	6023782.584	0	RS-700	0.08658867925
12074	-122.360	37.716	2094.527	2088632.449	6023784.063	0	RS-700	-0.33630861635
12075	-122.360	37.716	2083.428	2088631.403	6023785.373	0	RS-700	-0.40611226415
12076	-122.360	37.716	2137.859	2088630.058	6023787.054	0	RS-700	-0.06378025157
12077	-122.360	37.716	2087.635	2088628.820	6023788.881	0	RS-700	-0.37965125786
12078	-122.360	37.716	2076.309	2088627.476	6023790.561	0	RS-700	-0.45088874214
12079	-122.360	37.716	2075.724	2088626.245	6023792.012	0	RS-700	-0.45456352201
12080	-122.360	37.716	2098.038	2088625.565	6023793.271	0	RS-700	-0.31422584906
12081	-122.360	37.716	2151.558	2088625.212	6023794.508	0	RS-700	0.02237886792
12082	-122.360	37.716	2079.635	2088625.247	6023794.567	0	RS-700	-0.42996823899
12083	-122.360	37.716	2151.883	2088625.215	6023794.364	0	RS-700	0.02442012579
12084	-122.360	37.716	2091.843	2088625.232	6023793.496	0	RS-700	-0.35318836478
12085	-122.360	37.716	2155.200	2088625.142	6023792.568	0	RS-700	0.04528522013
12086	-122.360	37.716	2075.154	2088625.109	6023792.394	0	RS-700	-0.45815062893
12087	-122.360	37.716	2075.910	2088625.027	6023792.826	0	RS-700	-0.45339591195
12088	-122.360	37.716	2144.976	2088624.974	6023793.664	0	RS-700	-0.01901943396
12089	-122.360	37.716	2092.640	2088625.108	6023794.246	0	RS-700	-0.34817446541
12090	-122.360	37.716	2087.641	2088625.318	6023794.684	0	RS-700	-0.37961415094
12091	-122.360	37.716	2099.532	2088625.601	6023795.094	0	RS-700	-0.30483132076
12092	-122.360	37.716	2038.030	2088625.991	6023795.623	0	RS-700	-0.69163729560
12093	-122.360	37.716	2132.078	2088626.306	6023796.295	0	RS-700	-0.10013584906
12094	-122.360	37.716	2186.542	2088626.507	6023797.138	0	RS-700	0.24240547170
12095	-122.360	37.716	2037.827	2088626.492	6023797.918	0	RS-700	-0.69290974843
12096	-122.360	37.716	2100.482	2088626.802	6023796.999	0	RS-700	-0.29885383648
12097	-122.360	37.716	2180.992	2088627.779	6023795.485	0	RS-700	0.20749465409
12098	-122.360	37.716	2096.165	2088628.084	6023794.768	0	RS-700	-0.32600811321
12099	-122.360	37.716	2094.579	2088627.550	6023795.972	0	RS-700	-0.33598320755
12100	-122.360	37.716	2137.653	2088626.462	6023797.600	0	RS-700	-0.06507427673
12101	-122.360	37.716	2080.382	2088625.268	6023799.051	0	RS-700	-0.42526836478
12102	-122.360	37.716	2102.224	2088624.220	6023800.448	0	RS-700	-0.28789855346
12103	-122.360	37.716	2186.106	2088623.465	6023801.793	0	RS-700	0.23966238994
12104	-122.360	37.716	2189.777	2088622.354	6023802.726	0	RS-700	0.26275018868

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12105	-122.360	37.716	2199.779	2088622.280	6023802.782	0	RS-700	0.32565471698
12106	-122.360	37.716	2185.999	2088623.277	6023802.078	0	RS-700	0.23898635220
12107	-122.360	37.716	2124.765	2088623.609	6023801.883	0	RS-700	-0.14613138365
12108	-122.360	37.716	2146.082	2088623.132	6023802.076	0	RS-700	-0.01206056604
12109	-122.360	37.716	2150.552	2088622.762	6023802.358	0	RS-700	0.01605150943
12110	-122.360	37.716	2200.891	2088622.132	6023802.895	0	RS-700	0.33264893082
12111	-122.360	37.716	2180.214	2088621.216	6023803.195	0	RS-700	0.20260188679
12112	-122.360	37.716	2205.896	2088619.900	6023803.429	0	RS-700	0.36412289308
12113	-122.360	37.716	2210.565	2088618.406	6023803.486	0	RS-700	0.39349000000
12114	-122.360	37.716	2144.772	2088617.088	6023803.807	0	RS-700	-0.02030490566
12115	-122.360	37.716	2028.719	2088615.834	6023804.621	0	RS-700	-0.75019452830
12116	-122.360	37.716	2097.851	2088615.016	6023805.473	0	RS-700	-0.31540283019
12117	-122.360	37.716	2038.521	2088614.410	6023806.618	0	RS-700	-0.68854440252
12118	-122.360	37.716	2130.868	2088613.474	6023807.901	0	RS-700	-0.10774836478
12119	-122.360	37.716	2124.754	2088612.238	6023809.613	0	RS-700	-0.14619962264
12120	-122.360	37.716	2238.244	2088610.892	6023811.379	0	RS-700	0.56757396226
12121	-122.360	37.716	2155.226	2088609.583	6023813.118	0	RS-700	0.04544874214
12122	-122.360	37.716	2137.985	2088608.382	6023814.888	0	RS-700	-0.06298773585
12123	-122.360	37.716	2196.559	2088607.182	6023816.629	0	RS-700	0.30540477987
12124	-122.360	37.716	2148.763	2088605.912	6023818.224	0	RS-700	0.00480106918
12125	-122.360	37.716	2150.091	2088605.199	6023819.309	0	RS-700	0.01314924528
12126	-122.360	37.716	2207.795	2088604.809	6023820.603	0	RS-700	0.37606672956
12127	-122.360	37.716	2217.788	2088604.747	6023821.904	0	RS-700	0.43891817610
12128	-122.360	37.716	2202.775	2088604.846	6023822.398	0	RS-700	0.34449930818
12129	-122.360	37.716	2171.450	2088604.571	6023821.582	0	RS-700	0.14748597484
12130	-122.360	37.716	2138.551	2088604.500	6023821.465	0	RS-700	-0.05943025157
12131	-122.360	37.716	2256.366	2088604.960	6023822.140	0	RS-700	0.68154597484
12132	-122.360	37.716	2156.196	2088605.411	6023823.306	0	RS-700	0.05154515723
12133	-122.360	37.716	2176.991	2088605.604	6023824.554	0	RS-700	0.18233427673
12134	-122.360	37.716	2217.898	2088605.507	6023825.796	0	RS-700	0.43960735849
12135	-122.360	37.716	2173.446	2088604.860	6023827.171	0	RS-700	0.16003578616
12136	-122.360	37.716	2162.547	2088603.492	6023828.244	0	RS-700	0.09149050314
12137	-122.360	37.716	2051.328	2088601.767	6023828.904	0	RS-700	-0.60800194969
12138	-122.360	37.716	2130.269	2088600.370	6023829.541	0	RS-700	-0.11151886793
12139	-122.360	37.716	2234.216	2088600.002	6023829.765	0	RS-700	0.54223924528
12140	-122.360	37.716	2171.904	2088600.263	6023829.424	0	RS-700	0.15034270440
12141	-122.360	37.716	2114.284	2088599.891	6023829.850	0	RS-700	-0.21204937107
12142	-122.360	37.716	2066.043	2088598.993	6023831.047	0	RS-700	-0.51545283019
12143	-122.360	37.716	2091.849	2088598.049	6023832.707	0	RS-700	-0.35314918239
12144	-122.360	37.716	2148.996	2088597.176	6023834.483	0	RS-700	0.00626710692
12145	-122.360	37.716	2053.821	2088596.340	6023836.231	0	RS-700	-0.59231949686
12146	-122.360	37.716	2214.232	2088595.358	6023838.005	0	RS-700	0.41655597484
12147	-122.360	37.716	2187.684	2088594.122	6023839.745	0	RS-700	0.24958289308
12148	-122.359	37.716	2193.796	2088592.923	6023841.429	0	RS-700	0.28802672956
12149	-122.359	37.716	2173.341	2088591.758	6023843.228	0	RS-700	0.15937584906

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12150	-122.359	37.716	2047.629	2088590.411	6023845.053	0	RS-700	-0.63126358491
12151	-122.359	37.716	2077.678	2088589.101	6023846.821	0	RS-700	-0.44227899371
12152	-122.359	37.716	2132.295	2088587.830	6023848.502	0	RS-700	-0.09877270440
12153	-122.359	37.716	2070.243	2088586.524	6023850.067	0	RS-700	-0.48903899371
12154	-122.359	37.716	2137.175	2088585.079	6023851.312	0	RS-700	-0.06807874214
12155	-122.359	37.716	2045.917	2088583.217	6023851.535	0	RS-700	-0.64203264151
12156	-122.359	37.716	2153.200	2088582.053	6023851.454	0	RS-700	0.03270672956
12157	-122.359	37.716	2091.724	2088580.591	6023851.714	0	RS-700	-0.35393547170
12158	-122.359	37.716	2136.761	2088579.188	6023852.699	0	RS-700	-0.07068798742
12159	-122.359	37.716	2155.873	2088577.996	6023854.035	0	RS-700	0.04951880503
12160	-122.359	37.716	2130.290	2088577.125	6023855.696	0	RS-700	-0.11138446541
12161	-122.359	37.716	2101.743	2088576.106	6023857.498	0	RS-700	-0.29092163522
12162	-122.359	37.716	2086.427	2088574.695	6023858.859	0	RS-700	-0.38725421384
12163	-122.359	37.716	2124.959	2088573.541	6023860.138	0	RS-700	-0.14491207547
12164	-122.359	37.716	2048.423	2088572.565	6023861.594	0	RS-700	-0.62627194969
12165	-122.359	37.716	2163.990	2088571.478	6023863.134	0	RS-700	0.10056333333
12166	-122.359	37.716	2012.918	2088570.209	6023864.700	0	RS-700	-0.84956930818
12167	-122.359	37.716	2182.555	2088568.936	6023866.411	0	RS-700	0.21732628931
12168	-122.359	37.716	2119.652	2088567.625	6023868.236	0	RS-700	-0.17828842767
12169	-122.359	37.716	2108.646	2088566.388	6023870.035	0	RS-700	-0.24750729560
12170	-122.359	37.716	2185.887	2088565.226	6023871.689	0	RS-700	0.23828088050
12171	-122.359	37.716	1981.607	2088563.992	6023873.314	0	RS-700	-1.04649924528
12172	-122.359	37.716	2204.882	2088562.943	6023874.797	0	RS-700	0.35774559748
12173	-122.359	37.716	2151.119	2088563.136	6023874.252	0	RS-700	0.01961893082
12174	-122.359	37.716	2125.540	2088563.563	6023872.929	0	RS-700	-0.14125654088
12175	-122.359	37.716	2120.959	2088563.830	6023872.298	0	RS-700	-0.17006698113
12176	-122.359	37.716	2146.651	2088563.792	6023872.384	0	RS-700	-0.00848528302
12177	-122.359	37.716	2174.885	2088563.300	6023873.329	0	RS-700	0.16908830189
12178	-122.359	37.716	2134.761	2088563.093	6023874.569	0	RS-700	-0.08326729560
12179	-122.359	37.716	2112.545	2088563.254	6023875.614	0	RS-700	-0.22298924528
12180	-122.359	37.716	2127.644	2088563.121	6023876.797	0	RS-700	-0.12802685535
12181	-122.359	37.716	2111.962	2088562.555	6023877.799	0	RS-700	-0.22665257862
12182	-122.359	37.716	2194.678	2088561.441	6023878.905	0	RS-700	0.29357031447
12183	-122.359	37.716	2239.144	2088560.425	6023880.534	0	RS-700	0.57323157233
12184	-122.359	37.716	2117.647	2088559.155	6023882.128	0	RS-700	-0.19089786164
12185	-122.359	37.716	2160.227	2088559.044	6023882.242	0	RS-700	0.07689905660
12186	-122.359	37.716	2132.076	2088559.792	6023881.215	0	RS-700	-0.10014842767
12187	-122.359	37.716	2158.661	2088560.240	6023880.675	0	RS-700	0.06705031447
12188	-122.359	37.716	2017.121	2088559.758	6023881.128	0	RS-700	-0.82313559748
12189	-122.359	37.716	2124.655	2088559.235	6023881.783	0	RS-700	-0.14682572327
12190	-122.359	37.716	2154.986	2088559.075	6023882.503	0	RS-700	0.04393672956
12191	-122.359	37.716	2207.562	2088558.729	6023883.393	0	RS-700	0.37460628931
12192	-122.359	37.716	2168.786	2088557.985	6023884.217	0	RS-700	0.13072830189
12193	-122.359	37.716	2141.658	2088556.875	6023885.092	0	RS-700	-0.03988389937
12194	-122.359	37.716	2347.416	2088555.623	6023885.761	0	RS-700	1.25418553459

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12195	-122.359	37.716	2231.791	2088554.406	6023886.518	0	RS-700	0.52698540881
12196	-122.359	37.716	2148.747	2088553.358	6023887.944	0	RS-700	0.00469817610
12197	-122.359	37.716	2144.965	2088552.889	6023889.555	0	RS-700	-0.01908773585
12198	-122.359	37.716	2183.672	2088552.850	6023889.670	0	RS-700	0.22435433962
12199	-122.359	37.716	2191.881	2088552.519	6023888.014	0	RS-700	0.27598176101
12200	-122.359	37.716	2130.863	2088552.455	6023887.579	0	RS-700	-0.10778238994
12201	-122.359	37.716	2183.230	2088552.442	6023888.215	0	RS-700	0.22157132076
12202	-122.359	37.716	2274.798	2088552.501	6023888.911	0	RS-700	0.79746893082
12203	-122.359	37.716	2193.984	2088552.783	6023889.408	0	RS-700	0.28920635220
12204	-122.359	37.716	2235.455	2088552.891	6023889.468	0	RS-700	0.55003402516
12205	-122.359	37.716	2247.140	2088553.212	6023889.793	0	RS-700	0.62351893082
12206	-122.359	37.716	2159.195	2088553.705	6023890.670	0	RS-700	0.07040704403
12207	-122.359	37.716	2136.069	2088554.010	6023891.776	0	RS-700	-0.07503635220
12208	-122.359	37.716	2144.082	2088553.879	6023892.873	0	RS-700	-0.02463849057
12209	-122.359	37.716	2233.896	2088554.223	6023892.098	0	RS-700	0.54022905660
12210	-122.359	37.716	2200.015	2088555.091	6023890.553	0	RS-700	0.32713742138
12211	-122.359	37.716	2333.181	2088555.354	6023890.154	0	RS-700	1.16466132075
12212	-122.359	37.716	2221.342	2088554.675	6023891.326	0	RS-700	0.46127144654
12213	-122.359	37.716	2185.997	2088553.770	6023892.871	0	RS-700	0.23897754717
12214	-122.359	37.716	2236.688	2088552.574	6023894.438	0	RS-700	0.55778522013
12215	-122.359	37.716	2088.037	2088551.452	6023895.920	0	RS-700	-0.37712698113
12216	-122.359	37.716	2158.739	2088550.475	6023897.405	0	RS-700	0.06753987421
12217	-122.359	37.716	2168.663	2088549.398	6023898.454	0	RS-700	0.12995867925
12218	-122.359	37.716	2255.298	2088548.188	6023898.893	0	RS-700	0.67482748428
12219	-122.359	37.716	2282.927	2088546.840	6023898.924	0	RS-700	0.84859987421
12220	-122.359	37.716	2225.231	2088545.676	6023898.843	0	RS-700	0.48573176101
12221	-122.359	37.716	2286.699	2088544.470	6023899.051	0	RS-700	0.87231880503
12222	-122.359	37.716	2257.030	2088543.070	6023899.833	0	RS-700	0.68572408805
12223	-122.359	37.716	2257.805	2088542.099	6023901.086	0	RS-700	0.69059509434
12224	-122.359	37.716	2264.035	2088541.120	6023902.658	0	RS-700	0.72978169811
12225	-122.359	37.716	2170.434	2088539.993	6023904.401	0	RS-700	0.14109238994
12226	-122.359	37.716	2310.974	2088538.789	6023906.344	0	RS-700	1.02499471698
12227	-122.359	37.716	2325.165	2088537.440	6023908.284	0	RS-700	1.11424754717
12228	-122.359	37.716	2209.122	2088536.056	6023910.108	0	RS-700	0.38441283019
12229	-122.359	37.716	2182.783	2088534.744	6023911.963	0	RS-700	0.21875937107
12230	-122.359	37.716	2123.649	2088533.290	6023913.670	0	RS-700	-0.15314993711
12231	-122.359	37.716	2083.646	2088531.687	6023915.519	0	RS-700	-0.40474440252
12232	-122.359	37.716	2031.129	2088530.233	6023917.254	0	RS-700	-0.73503924528
12233	-122.359	37.716	2096.336	2088528.782	6023918.788	0	RS-700	-0.32493314465
12234	-122.359	37.716	2144.978	2088527.509	6023920.527	0	RS-700	-0.01900911950
12235	-122.359	37.716	2038.315	2088526.159	6023922.468	0	RS-700	-0.68984182390
12236	-122.359	37.716	2087.253	2088524.739	6023924.320	0	RS-700	-0.38205553459
12237	-122.359	37.716	2120.174	2088523.283	6023926.114	0	RS-700	-0.17500415094
12238	-122.359	37.716	2066.845	2088521.790	6023927.907	0	RS-700	-0.51041006289
12239	-122.359	37.716	2108.968	2088520.518	6023929.617	0	RS-700	-0.24548421384

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12240	-122.359	37.716	2161.877	2088519.319	6023931.300	0	RS-700	0.08727553459
12241	-122.359	37.716	2133.540	2088518.049	6023932.895	0	RS-700	-0.09094427673
12242	-122.359	37.716	2151.787	2088516.858	6023934.202	0	RS-700	0.02381654088
12243	-122.359	37.716	2157.315	2088516.321	6023935.552	0	RS-700	0.05858647799
12244	-122.359	37.716	2076.932	2088516.294	6023936.911	0	RS-700	-0.44696654088
12245	-122.359	37.716	2240.023	2088516.889	6023938.138	0	RS-700	0.57875968554
12246	-122.359	37.716	2091.321	2088516.792	6023939.322	0	RS-700	-0.35647201258
12247	-122.359	37.716	2172.341	2088517.172	6023940.400	0	RS-700	0.15308993711
12248	-122.359	37.716	2183.429	2088516.414	6023941.889	0	RS-700	0.22282201258
12249	-122.359	37.716	2061.837	2088515.182	6023943.398	0	RS-700	-0.54190855346
12250	-122.359	37.716	2134.074	2088513.949	6023944.965	0	RS-700	-0.08758735849
12251	-122.359	37.716	2128.650	2088512.395	6023946.178	0	RS-700	-0.12170044025
12252	-122.359	37.716	2145.762	2088510.526	6023946.777	0	RS-700	-0.01407446541
12253	-122.359	37.716	2118.640	2088508.925	6023946.688	0	RS-700	-0.18465559748
12254	-122.359	37.716	2134.430	2088507.422	6023947.179	0	RS-700	-0.085344465409
12255	-122.359	37.716	2164.102	2088505.976	6023948.481	0	RS-700	0.10126742138
12256	-122.359	37.716	2136.755	2088504.524	6023950.101	0	RS-700	-0.07072251572
12257	-122.359	37.716	2115.967	2088502.960	6023951.835	0	RS-700	-0.20146490566
12258	-122.359	37.716	2098.747	2088501.798	6023953.489	0	RS-700	-0.30976578616
12259	-122.359	37.716	2156.865	2088500.527	6023955.142	0	RS-700	0.05575691824
12260	-122.359	37.716	2070.745	2088499.146	6023956.822	0	RS-700	-0.48587899371
12261	-122.359	37.716	2204.458	2088497.767	6023958.414	0	RS-700	0.35508345912
12262	-122.359	37.716	2196.005	2088497.332	6023960.113	0	RS-700	0.30191742138
12263	-122.359	37.716	2149.535	2088496.608	6023961.718	0	RS-700	0.00965610063
12264	-122.359	37.716	2144.869	2088495.308	6023962.994	0	RS-700	-0.01968886792
12265	-122.359	37.716	2184.106	2088493.900	6023964.239	0	RS-700	0.22707962264
12266	-122.359	37.716	2110.639	2088492.383	6023965.424	0	RS-700	-0.23497308176
12267	-122.359	37.716	2098.429	2088491.192	6023966.732	0	RS-700	-0.31176509434
12268	-122.359	37.716	2168.227	2088490.114	6023967.809	0	RS-700	0.12721150943
12269	-122.359	37.716	2094.742	2088489.396	6023969.126	0	RS-700	-0.33495911950
12270	-122.359	37.716	2136.086	2088488.381	6023970.697	0	RS-700	-0.07492918239
12271	-122.359	37.716	2176.095	2088487.149	6023972.235	0	RS-700	0.17669597484
12272	-122.359	37.716	2143.767	2088485.987	6023973.890	0	RS-700	-0.02662515723
12273	-122.359	37.716	2138.089	2088484.680	6023975.513	0	RS-700	-0.06233559748
12274	-122.359	37.716	2193.889	2088483.371	6023977.281	0	RS-700	0.28861163522
12275	-122.359	37.716	2130.295	2088482.353	6023978.996	0	RS-700	-0.11135276730
12276	-122.359	37.716	2179.775	2088481.343	6023980.365	0	RS-700	0.19984062893
12277	-122.359	37.716	2114.753	2088480.370	6023981.647	0	RS-700	-0.20909981132
12278	-122.359	37.716	2218.794	2088479.246	6023983.245	0	RS-700	0.44524257862
12279	-122.359	37.716	2147.222	2088479.040	6023984.456	0	RS-700	-0.00489182390
12280	-122.359	37.716	2106.859	2088479.348	6023985.446	0	RS-700	-0.25874805031
12281	-122.359	37.716	2129.531	2088479.803	6023986.352	0	RS-700	-0.11615427673
12282	-122.359	37.716	2179.209	2088480.000	6023987.455	0	RS-700	0.19628132076
12283	-122.359	37.716	2162.663	2088479.991	6023987.889	0	RS-700	0.09221880503
12284	-122.359	37.716	2211.673	2088480.340	6023986.854	0	RS-700	0.40045798742



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12285	-122.359	37.716	2207.220	2088481.161	6023985.829	0	RS-700	0.37245289308
12286	-122.359	37.716	2275.827	2088481.944	6023984.948	0	RS-700	0.80394220126
12287	-122.359	37.716	2250.155	2088481.384	6023985.631	0	RS-700	0.64248352201
12288	-122.359	37.716	2127.072	2088480.594	6023986.859	0	RS-700	-0.13162333333
12289	-122.359	37.716	2156.758	2088479.905	6023988.553	0	RS-700	0.05508484277
12290	-122.359	37.716	2163.767	2088478.851	6023990.296	0	RS-700	0.09916295597
12291	-122.359	37.716	2204.568	2088477.722	6023992.126	0	RS-700	0.35577666667
12292	-122.359	37.716	2223.355	2088476.344	6023993.660	0	RS-700	0.47392955975
12293	-122.359	37.716	2224.010	2088474.624	6023994.089	0	RS-700	0.47805000000
12294	-122.359	37.716	2249.463	2088473.128	6023994.233	0	RS-700	0.63813056604
12295	-122.359	37.716	2125.964	2088471.506	6023995.184	0	RS-700	-0.13858981132
12296	-122.359	37.716	2088.633	2088470.279	6023996.491	0	RS-700	-0.37338006289
12297	-122.359	37.716	2078.417	2088469.006	6023998.201	0	RS-700	-0.43762817610
12298	-122.359	37.716	2105.852	2088467.691	6024000.229	0	RS-700	-0.26508094340
12299	-122.359	37.716	2159.636	2088466.410	6024002.403	0	RS-700	0.07318446541
12300	-122.359	37.716	2164.772	2088465.241	6024004.405	0	RS-700	0.10548710692
12301	-122.359	37.716	2142.656	2088464.182	6024006.380	0	RS-700	-0.03360698113
12302	-122.359	37.716	2104.489	2088463.162	6024008.269	0	RS-700	-0.27365207547
12303	-122.359	37.716	2156.884	2088461.707	6024009.976	0	RS-700	0.05587201258
12304	-122.359	37.716	2056.938	2088460.401	6024011.570	0	RS-700	-0.57271616352
12305	-122.359	37.716	2075.318	2088459.091	6024013.338	0	RS-700	-0.45711861635
12306	-122.359	37.716	2123.968	2088457.633	6024015.218	0	RS-700	-0.15114333333
12307	-122.359	37.716	2156.094	2088455.959	6024017.008	0	RS-700	0.05090792453
12308	-122.359	37.716	2136.184	2088454.138	6024018.852	0	RS-700	-0.07431584906
12309	-122.359	37.716	2204.337	2088452.206	6024020.752	0	RS-700	0.35431905660
12310	-122.359	37.716	2131.083	2088450.640	6024022.601	0	RS-700	-0.10639773585
12311	-122.359	37.716	2067.528	2088449.257	6024024.368	0	RS-700	-0.50611176101
12312	-122.359	37.716	2131.746	2088447.769	6024025.958	0	RS-700	-0.10222698113
12313	-122.359	37.716	2112.067	2088446.211	6024027.403	0	RS-700	-0.22599377359
12314	-122.359	37.716	2093.430	2088444.654	6024028.761	0	RS-700	-0.34320955975
12315	-122.359	37.716	1998.311	2088443.751	6024030.247	0	RS-700	-0.94144238994
12316	-122.359	37.716	2084.159	2088443.609	6024031.864	0	RS-700	-0.40151767296
12317	-122.359	37.716	2084.577	2088444.020	6024033.203	0	RS-700	-0.39888981132
12318	-122.359	37.716	2057.426	2088444.362	6024034.281	0	RS-700	-0.56964660377
12319	-122.359	37.716	2071.912	2088444.234	6024035.233	0	RS-700	-0.47853880503
12320	-122.359	37.716	2036.840	2088444.653	6024034.315	0	RS-700	-0.69911805031
12321	-122.359	37.716	2151.875	2088445.368	6024033.172	0	RS-700	0.02437113208
12322	-122.359	37.716	2055.731	2088445.706	6024032.658	0	RS-700	-0.58031012579
12323	-122.359	37.716	2118.181	2088444.916	6024033.915	0	RS-700	-0.18754232704
12324	-122.359	37.716	2090.057	2088443.824	6024035.716	0	RS-700	-0.36442352201
12325	-122.359	37.716	2039.732	2088442.514	6024037.484	0	RS-700	-0.68093301887
12326	-122.359	37.716	2115.853	2088441.534	6024039.172	0	RS-700	-0.20218528302
12327	-122.359	37.716	2066.732	2088440.574	6024039.818	0	RS-700	-0.51112056604
12328	-122.359	37.716	2104.967	2088441.164	6024039.453	0	RS-700	-0.27064484277
12329	-122.359	37.716	2047.635	2088442.271	6024038.723	0	RS-700	-0.63122924528

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12330	-122.359	37.716	2034.213	2088441.978	6024038.833	0	RS-700	-0.71564327044
12331	-122.359	37.716	2043.239	2088440.649	6024039.733	0	RS-700	-0.65887320755
12332	-122.359	37.716	2065.622	2088440.608	6024039.934	0	RS-700	-0.51809786164
12333	-122.359	37.716	2072.246	2088439.718	6024040.727	0	RS-700	-0.47643855346
12334	-122.359	37.716	2100.854	2088439.094	6024041.004	0	RS-700	-0.29651710692
12335	-122.359	37.716	2037.021	2088440.042	6024040.936	0	RS-700	-0.69797849057
12336	-122.359	37.716	2042.923	2088440.041	6024040.993	0	RS-700	-0.66086433962
12337	-122.359	37.716	2041.723	2088438.838	6024041.056	0	RS-700	-0.66841113208
12338	-122.359	37.716	2043.541	2088437.422	6024040.826	0	RS-700	-0.65697792453
12339	-122.359	37.716	2025.714	2088436.114	6024040.655	0	RS-700	-0.76909685535
12340	-122.359	37.716	2112.034	2088434.353	6024041.314	0	RS-700	-0.22620257862
12341	-122.359	37.716	2051.728	2088434.137	6024041.194	0	RS-700	-0.60548710692
12342	-122.359	37.716	2072.529	2088434.505	6024040.999	0	RS-700	-0.47465987421
12343	-122.359	37.716	2093.640	2088434.981	6024040.864	0	RS-700	-0.34188433962
12344	-122.359	37.716	2134.670	2088435.682	6024040.444	0	RS-700	-0.08383471698
12345	-122.359	37.716	2099.852	2088435.205	6024040.608	0	RS-700	-0.30281748428
12346	-122.359	37.716	2122.644	2088434.395	6024041.055	0	RS-700	-0.15947433962
12347	-122.359	37.716	2040.129	2088433.688	6024041.793	0	RS-700	-0.67843647799
12348	-122.359	37.716	2065.733	2088433.901	6024042.058	0	RS-700	-0.51740327044
12349	-122.359	37.716	2084.055	2088433.654	6024045.322	0	RS-700	-0.40217138365
12350	-122.359	37.716	2047.726	2088432.717	6024046.692	0	RS-700	-0.63065509434
12351	-122.359	37.716	2061.744	2088431.664	6024048.349	0	RS-700	-0.54249062893
12352	-122.359	37.716	2074.634	2088430.573	6024050.092	0	RS-700	-0.46142352201
12353	-122.359	37.716	1998.207	2088429.488	6024051.575	0	RS-700	-0.94209207547
12354	-122.359	37.716	2071.045	2088428.770	6024052.863	0	RS-700	-0.48399201258
12355	-122.359	37.716	2119.082	2088428.709	6024054.105	0	RS-700	-0.18187427673
12356	-122.359	37.716	2082.743	2088428.873	6024055.035	0	RS-700	-0.41042176101
12357	-122.359	37.716	2080.477	2088429.110	6024055.907	0	RS-700	-0.42467232704
12358	-122.359	37.716	2128.545	2088429.571	6024056.553	0	RS-700	-0.12235553459
12359	-122.359	37.716	2084.644	2088430.249	6024057.232	0	RS-700	-0.39846603774
12360	-122.359	37.716	2075.150	2088430.931	6024057.737	0	RS-700	-0.45817660377
12361	-122.359	37.716	2116.968	2088431.292	6024057.918	0	RS-700	-0.19517213837
12362	-122.359	37.716	2045.703	2088431.745	6024058.939	0	RS-700	-0.64337761006
12363	-122.359	37.716	2118.609	2088433.441	6024059.754	0	RS-700	-0.18484754717
12364	-122.359	37.716	2011.113	2088434.307	6024060.148	0	RS-700	-0.86092742138
12365	-122.359	37.716	2087.523	2088434.561	6024060.210	0	RS-700	-0.38036050315
12366	-122.359	37.716	2062.041	2088436.262	6024060.736	0	RS-700	-0.54062044025
12367	-122.359	37.716	2104.434	2088437.782	6024061.200	0	RS-700	-0.27400238994
12368	-122.359	37.716	1998.720	2088437.637	6024061.168	0	RS-700	-0.93886817610
12369	-122.359	37.716	2103.853	2088437.637	6024061.197	0	RS-700	-0.27765515723
12370	-122.359	37.716	2073.154	2088437.128	6024061.129	0	RS-700	-0.47072679245
12371	-122.359	37.716	2091.745	2088436.260	6024060.823	0	RS-700	-0.35380628931
12372	-122.359	37.716	2057.635	2088434.376	6024060.351	0	RS-700	-0.56833440252
12373	-122.359	37.716	2012.313	2088432.902	6024059.367	0	RS-700	-0.85338037736
12374	-122.359	37.716	2108.750	2088431.791	6024058.448	0	RS-700	-0.24685603774

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12375	-122.359	37.716	2038.319	2088430.686	6024057.240	0	RS-700	-0.68981698113
12376	-122.359	37.716	2037.829	2088429.795	6024056.268	0	RS-700	-0.69290138365
12377	-122.359	37.716	2054.845	2088429.978	6024056.214	0	RS-700	-0.58587842767
12378	-122.359	37.716	2011.817	2088431.013	6024057.276	0	RS-700	-0.85649955975
12379	-122.359	37.716	2087.534	2088431.943	6024058.162	0	RS-700	-0.38029188679
12380	-122.359	37.716	2121.436	2088434.449	6024058.472	0	RS-700	-0.16707006289
12381	-122.359	37.716	2095.651	2088436.135	6024057.927	0	RS-700	-0.32923679245
12382	-122.359	37.716	2025.721	2088437.017	6024057.540	0	RS-700	-0.76905056604
12383	-122.359	37.716	2130.760	2088438.641	6024056.444	0	RS-700	-0.10842635220
12384	-122.359	37.716	2099.646	2088439.708	6024054.064	0	RS-700	-0.30411528302
12385	-122.359	37.716	2008.109	2088439.035	6024051.302	0	RS-700	-0.87981679245
12386	-122.359	37.716	2073.738	2088437.801	6024049.252	0	RS-700	-0.46705578616
12387	-122.359	37.716	2146.873	2088437.760	6024047.660	0	RS-700	-0.00709081761
12388	-122.359	37.716	2068.528	2088437.726	6024047.515	0	RS-700	-0.49982660377
12389	-122.359	37.716	2185.433	2088436.423	6024048.935	0	RS-700	0.23542867925
12390	-122.359	37.716	2048.342	2088434.678	6024050.608	0	RS-700	-0.62678012579
12391	-122.359	37.716	2097.957	2088432.969	6024052.339	0	RS-700	-0.31473522013
12392	-122.359	37.716	2116.964	2088431.777	6024053.675	0	RS-700	-0.19519477987
12393	-122.359	37.716	2149.659	2088431.628	6024053.816	0	RS-700	0.01043415094
12394	-122.359	37.716	2078.948	2088431.365	6024054.216	0	RS-700	-0.43428742138
12395	-122.359	37.716	2129.864	2088431.142	6024054.443	0	RS-700	-0.11406157233
12396	-122.359	37.716	2094.850	2088431.141	6024054.501	0	RS-700	-0.33427842767
12397	-122.359	37.716	2027.036	2088431.141	6024054.501	0	RS-700	-0.76078188679
12398	-122.359	37.716	2168.126	2088431.178	6024054.473	0	RS-700	0.12657911950
12399	-122.359	37.716	2051.927	2088431.216	6024054.416	0	RS-700	-0.60423377359
12400	-122.359	37.716	2059.956	2088431.253	6024054.387	0	RS-700	-0.55373798742
12401	-122.359	37.716	2113.860	2088431.290	6024054.330	0	RS-700	-0.21471924528
12402	-122.359	37.716	2128.308	2088431.290	6024054.330	0	RS-700	-0.12384672956
12403	-122.359	37.716	2180.546	2088431.403	6024054.159	0	RS-700	0.20469383648
12404	-122.359	37.716	2064.529	2088431.922	6024053.706	0	RS-700	-0.52497257862
12405	-122.359	37.716	2140.875	2088432.447	6024052.965	0	RS-700	-0.04481000000
12406	-122.359	37.716	2163.876	2088433.491	6024051.712	0	RS-700	0.09984823899
12407	-122.359	37.716	2125.186	2088434.793	6024050.321	0	RS-700	-0.14348301887
12408	-122.359	37.716	2022.714	2088436.057	6024049.044	0	RS-700	-0.78796270440
12409	-122.359	37.716	2055.526	2088437.248	6024047.737	0	RS-700	-0.58159880503
12410	-122.359	37.716	2100.176	2088438.514	6024046.344	0	RS-700	-0.30078125786
12411	-122.359	37.716	2079.839	2088439.928	6024044.839	0	RS-700	-0.42868295598
12412	-122.359	37.716	2004.701	2088441.381	6024043.219	0	RS-700	-0.90125088050
12413	-122.359	37.716	2083.627	2088442.764	6024041.395	0	RS-700	-0.40486352201
12414	-122.359	37.716	2149.981	2088444.257	6024039.602	0	RS-700	0.01246012579
12415	-122.359	37.716	2120.863	2088445.966	6024037.871	0	RS-700	-0.17067591195
12416	-122.359	37.716	2121.438	2088447.567	6024036.109	0	RS-700	-0.16705415094
12417	-122.359	37.716	2067.424	2088449.135	6024034.173	0	RS-700	-0.50676911950
12418	-122.359	37.716	2138.546	2088450.595	6024032.206	0	RS-700	-0.05945987421
12419	-122.359	37.716	2070.738	2088451.978	6024030.410	0	RS-700	-0.48592685535

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12420	-122.359	37.716	2152.660	2088453.436	6024028.530	0	RS-700	0.02930566038
12421	-122.359	37.716	2185.776	2088455.003	6024026.652	0	RS-700	0.23758716981
12422	-122.359	37.716	2026.017	2088456.569	6024024.802	0	RS-700	-0.76718981132
12423	-122.359	37.716	2087.266	2088458.100	6024022.894	0	RS-700	-0.38197660377
12424	-122.359	37.716	2100.745	2088459.597	6024020.870	0	RS-700	-0.29719836478
12425	-122.359	37.716	2160.313	2088461.132	6024018.760	0	RS-700	0.07744163522
12426	-122.359	37.716	2058.030	2088462.629	6024016.735	0	RS-700	-0.56585088050
12427	-122.359	37.716	2183.225	2088464.160	6024014.856	0	RS-700	0.22153905660
12428	-122.359	37.716	2134.976	2088465.653	6024013.034	0	RS-700	-0.08191490566
12429	-122.359	37.716	2216.117	2088467.185	6024011.068	0	RS-700	0.42840867925
12430	-122.359	37.716	2124.953	2088468.611	6024008.956	0	RS-700	-0.14494861635
12431	-122.359	37.716	2209.566	2088469.853	6024006.926	0	RS-700	0.38720597484
12432	-122.359	37.716	2169.554	2088471.130	6024004.956	0	RS-700	0.13555943396
12433	-122.359	37.716	2210.219	2088472.480	6024003.015	0	RS-700	0.39131610063
12434	-122.359	37.716	2169.756	2088473.897	6024001.336	0	RS-700	0.13682761006
12435	-122.359	37.716	2222.568	2088475.245	6023999.483	0	RS-700	0.46897811321
12436	-122.359	37.716	2201.786	2088476.593	6023997.629	0	RS-700	0.33827471698
12437	-122.359	37.716	2123.536	2088477.833	6023995.686	0	RS-700	-0.15386194969
12438	-122.359	37.716	2215.678	2088479.071	6023993.888	0	RS-700	0.42564886793
12439	-122.359	37.716	2274.699	2088480.344	6023992.149	0	RS-700	0.79685201258
12440	-122.359	37.716	2173.986	2088481.655	6023990.294	0	RS-700	0.16343251572
12441	-122.359	37.716	2240.135	2088482.970	6023988.266	0	RS-700	0.57946352201
12442	-122.359	37.716	2265.373	2088484.357	6023986.269	0	RS-700	0.73819245283
12443	-122.359	37.716	2162.662	2088485.888	6023984.390	0	RS-700	0.09221264151
12444	-122.359	37.716	2178.561	2088487.381	6023982.539	0	RS-700	0.19220968554
12445	-122.359	37.716	2116.436	2088488.913	6023980.602	0	RS-700	-0.19851823899
12446	-122.359	37.716	2237.257	2088490.409	6023978.607	0	RS-700	0.56136433962
12447	-122.359	37.716	2250.143	2088492.015	6023976.613	0	RS-700	0.64240874214
12448	-122.359	37.716	2175.874	2088493.437	6023974.703	0	RS-700	0.17530767296
12449	-122.359	37.716	2180.988	2088495.007	6023972.651	0	RS-700	0.20747270440
12450	-122.359	37.716	2219.789	2088496.504	6023970.627	0	RS-700	0.45150371069
12451	-122.359	37.716	2143.867	2088497.963	6023968.718	0	RS-700	-0.02599226415
12452	-122.359	37.716	2286.151	2088499.459	6023966.722	0	RS-700	0.86887352201
12453	-122.359	37.716	2143.300	2088500.991	6023964.756	0	RS-700	-0.02956238994
12454	-122.359	37.716	2239.016	2088502.450	6023962.818	0	RS-700	0.57242522013
12455	-122.359	37.716	2210.561	2088503.944	6023960.938	0	RS-700	0.39346345912
12456	-122.359	37.716	2137.979	2088505.034	6023959.253	0	RS-700	-0.06302427673
12457	-122.359	37.716	2152.974	2088506.454	6023957.401	0	RS-700	0.03128314465
12458	-122.359	37.716	2231.020	2088508.357	6023955.124	0	RS-700	0.52213572327
12459	-122.359	37.716	2114.975	2088509.561	6023953.181	0	RS-700	-0.20770358491
12460	-122.359	37.716	2243.105	2088510.981	6023951.386	0	RS-700	0.59814547170
12461	-122.359	37.716	2145.085	2088512.326	6023949.677	0	RS-700	-0.01833553459
12462	-122.359	37.716	2034.542	2088513.628	6023948.285	0	RS-700	-0.71357503145
12463	-122.359	37.716	2138.330	2088513.963	6023947.916	0	RS-700	-0.06082050314
12464	-122.359	37.716	2099.641	2088513.701	6023948.258	0	RS-700	-0.30414283019

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12465	-122.359	37.716	2108.175	2088513.552	6023948.458	0	RS-700	-0.25047119497
12466	-122.359	37.716	2104.959	2088512.910	6023949.602	0	RS-700	-0.27069654088
12467	-122.359	37.716	2111.945	2088511.795	6023950.708	0	RS-700	-0.22675886793
12468	-122.359	37.716	2226.241	2088511.052	6023951.475	0	RS-700	0.49207924528
12469	-122.359	37.716	2202.119	2088510.978	6023951.531	0	RS-700	0.34037283019
12470	-122.359	37.716	2108.984	2088511.870	6023950.594	0	RS-700	-0.24538157233
12471	-122.359	37.716	2082.848	2088513.208	6023949.261	0	RS-700	-0.40976371069
12472	-122.359	37.716	2119.295	2088514.511	6023947.840	0	RS-700	-0.18053503145
12473	-122.359	37.716	2113.061	2088515.671	6023946.272	0	RS-700	-0.21974402516
12474	-122.359	37.716	2172.884	2088516.795	6023944.703	0	RS-700	0.15650113208
12475	-122.359	37.716	2175.743	2088517.919	6023943.134	0	RS-700	0.17448327044
12476	-122.359	37.716	2159.446	2088519.156	6023941.365	0	RS-700	0.07198974843
12477	-122.359	37.716	2235.788	2088520.504	6023939.482	0	RS-700	0.55212591195
12478	-122.359	37.716	2255.031	2088522.033	6023937.661	0	RS-700	0.67314899371
12479	-122.359	37.716	2185.314	2088523.527	6023935.782	0	RS-700	0.23467610063
12480	-122.359	37.716	2162.648	2088525.023	6023933.815	0	RS-700	0.09212723270
12481	-122.359	37.716	2158.769	2088526.702	6023931.794	0	RS-700	0.06772911950
12482	-122.359	37.716	2101.745	2088528.344	6023929.831	0	RS-700	-0.29091289308
12483	-122.359	37.716	2234.570	2088529.912	6023927.895	0	RS-700	0.54446547170
12484	-122.359	37.716	2197.687	2088531.589	6023925.989	0	RS-700	0.31249811321
12485	-122.359	37.716	2095.855	2088533.229	6023924.055	0	RS-700	-0.32795553459
12486	-122.359	37.716	2170.413	2088534.833	6023922.148	0	RS-700	0.14095962264
12487	-122.359	37.716	2256.151	2088536.476	6023920.127	0	RS-700	0.68019314465
12488	-122.359	37.716	2244.803	2088538.008	6023918.190	0	RS-700	0.60882301887
12489	-122.359	37.716	2303.050	2088539.577	6023916.167	0	RS-700	0.97515578616
12490	-122.359	37.716	2262.143	2088541.182	6023914.232	0	RS-700	0.71787855346
12491	-122.359	37.716	2266.140	2088542.749	6023912.324	0	RS-700	0.74301647799
12492	-122.359	37.716	2324.303	2088544.316	6023910.446	0	RS-700	1.10882679245
12493	-122.359	37.716	2420.709	2088545.631	6023908.418	0	RS-700	1.71515352201
12494	-122.359	37.716	2289.231	2088546.871	6023906.504	0	RS-700	0.88824559748
12495	-122.359	37.716	2279.725	2088548.002	6023904.560	0	RS-700	0.82845754717
12496	-122.359	37.716	2292.284	2088549.127	6023902.962	0	RS-700	0.90744918239
12497	-122.359	37.716	2270.909	2088550.246	6023901.595	0	RS-700	0.77301182390
12498	-122.359	37.716	2271.041	2088551.362	6023900.431	0	RS-700	0.77384534591
12499	-122.359	37.716	2195.677	2088552.628	6023899.010	0	RS-700	0.29985327044
12500	-122.359	37.716	2255.123	2088553.864	6023897.299	0	RS-700	0.67372654088
12501	-122.359	37.716	2200.226	2088555.100	6023895.588	0	RS-700	0.32846836478
12502	-122.359	37.716	2257.802	2088556.298	6023893.933	0	RS-700	0.69057874214
12503	-122.359	37.716	2232.459	2088557.716	6023892.255	0	RS-700	0.53118811321
12504	-122.359	37.716	2356.311	2088559.098	6023890.517	0	RS-700	1.31013232704
12505	-122.359	37.716	2167.194	2088560.702	6023888.582	0	RS-700	0.12072006289
12506	-122.359	37.716	2186.441	2088562.233	6023886.674	0	RS-700	0.24176962264
12507	-122.359	37.716	2173.321	2088563.838	6023884.739	0	RS-700	0.15925100629
12508	-122.359	37.716	2179.430	2088565.479	6023882.804	0	RS-700	0.19767320755
12509	-122.359	37.716	2129.652	2088567.008	6023880.983	0	RS-700	-0.11539672956

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12510	-122.359	37.716	2142.975	2088568.429	6023879.130	0	RS-700	-0.03160584906
12511	-122.359	37.716	2117.532	2088569.925	6023877.135	0	RS-700	-0.19161968554
12512	-122.359	37.716	2082.952	2088571.495	6023875.083	0	RS-700	-0.40910477987
12513	-122.359	37.716	2261.786	2088573.069	6023872.887	0	RS-700	0.71563471698
12514	-122.359	37.716	2211.902	2088574.641	6023870.748	0	RS-700	0.40189855346
12515	-122.359	37.716	2098.539	2088576.177	6023868.609	0	RS-700	-0.31107855346
12516	-122.359	37.716	2118.647	2088577.750	6023866.384	0	RS-700	-0.18461012579
12517	-122.359	37.716	2137.980	2088579.250	6023864.215	0	RS-700	-0.06301761006
12518	-122.359	37.716	2149.745	2088580.892	6023862.251	0	RS-700	0.01097238994
12519	-122.359	37.716	2110.772	2088582.462	6023860.199	0	RS-700	-0.23413748428
12520	-122.359	37.716	2111.285	2088583.994	6023858.233	0	RS-700	-0.23091345912
12521	-122.359	37.716	2086.318	2088585.307	6023856.321	0	RS-700	-0.38793723270
12522	-122.359	37.716	2058.737	2088586.617	6023854.525	0	RS-700	-0.56140352201
12523	-122.359	37.716	2059.632	2088587.997	6023852.903	0	RS-700	-0.55577635220
12524	-122.359	37.716	2112.640	2088589.378	6023851.223	0	RS-700	-0.22239081761
12525	-122.359	37.716	2070.255	2088590.724	6023849.457	0	RS-700	-0.48896295598
12526	-122.359	37.716	2140.178	2088592.258	6023847.404	0	RS-700	-0.04919471698
12527	-122.359	37.716	2145.095	2088593.829	6023845.323	0	RS-700	-0.01827031447
12528	-122.359	37.716	2258.477	2088595.358	6023843.531	0	RS-700	0.69482666667
12529	-122.359	37.716	2143.764	2088596.956	6023841.914	0	RS-700	-0.02664075472
12530	-122.360	37.716	2077.258	2088598.484	6023840.179	0	RS-700	-0.44491949686
12531	-122.360	37.716	2177.873	2088600.048	6023838.446	0	RS-700	0.18788182390
12532	-122.360	37.716	2143.872	2088601.398	6023836.476	0	RS-700	-0.02596396226
12533	-122.360	37.716	2166.774	2088602.639	6023834.505	0	RS-700	0.11807452830
12534	-122.360	37.716	2228.022	2088603.806	6023832.561	0	RS-700	0.50328408805
12535	-122.360	37.716	2107.432	2088605.223	6023830.940	0	RS-700	-0.25514553459
12536	-122.360	37.716	2206.790	2088606.643	6023829.116	0	RS-700	0.36974672956
12537	-122.360	37.716	2230.016	2088607.624	6023827.371	0	RS-700	0.51582647799
12538	-122.360	37.716	2112.857	2088608.498	6023825.566	0	RS-700	-0.22102484277
12539	-122.360	37.716	2217.570	2088609.485	6023823.560	0	RS-700	0.43754855346
12540	-122.360	37.716	2152.656	2088610.798	6023821.619	0	RS-700	0.02928452830
12541	-122.360	37.716	2177.775	2088612.037	6023819.734	0	RS-700	0.18726622642
12542	-122.360	37.716	2177.895	2088613.602	6023817.943	0	RS-700	0.18801698113
12543	-122.360	37.716	2240.906	2088615.316	6023816.009	0	RS-700	0.58431207547
12544	-122.360	37.716	2262.812	2088616.992	6023814.162	0	RS-700	0.72208597484
12545	-122.360	37.716	2191.993	2088618.702	6023812.403	0	RS-700	0.27668767296
12546	-122.360	37.716	2239.355	2088620.338	6023810.728	0	RS-700	0.57455943396
12547	-122.360	37.716	2255.165	2088621.903	6023808.908	0	RS-700	0.67399641509
12548	-122.360	37.716	2198.130	2088623.394	6023807.202	0	RS-700	0.31528270440
12549	-122.360	37.716	2162.771	2088624.886	6023805.409	0	RS-700	0.09289679245
12550	-122.360	37.716	2229.234	2088626.307	6023803.556	0	RS-700	0.51090389937
12551	-122.360	37.716	2062.526	2088627.653	6023801.818	0	RS-700	-0.53757062893
12552	-122.360	37.716	2106.750	2088629.069	6023800.197	0	RS-700	-0.25943364780
12553	-122.360	37.716	2111.540	2088630.310	6023798.226	0	RS-700	-0.22931062893
12554	-122.360	37.716	2145.778	2088631.439	6023796.397	0	RS-700	-0.01397698113

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12555	-122.360	37.716	2077.534	2088632.563	6023794.799	0	RS-700	-0.44318119497
12556	-122.360	37.716	2146.551	2088633.909	6023793.061	0	RS-700	-0.00911075472
12557	-122.360	37.716	2179.000	2088635.293	6023791.208	0	RS-700	0.19496654088
12558	-122.360	37.716	2110.960	2088636.606	6023789.267	0	RS-700	-0.23295723270
12559	-122.360	37.716	2186.670	2088637.810	6023787.323	0	RS-700	0.24320628931
12560	-122.360	37.716	2209.781	2088639.150	6023785.903	0	RS-700	0.38855924528
12561	-122.360	37.716	2251.916	2088640.985	6023785.159	0	RS-700	0.65355767296
12562	-122.360	37.716	2300.162	2088643.022	6023785.315	0	RS-700	0.95699672956
12563	-122.360	37.716	2219.458	2088644.357	6023785.920	0	RS-700	0.44942018868
12564	-122.360	37.716	2230.568	2088644.106	6023785.742	0	RS-700	0.51929471698
12565	-122.360	37.716	2304.706	2088643.752	6023785.243	0	RS-700	0.98557050315
12566	-122.360	37.716	2204.787	2088643.856	6023785.505	0	RS-700	0.35715213837
12567	-122.360	37.716	2287.936	2088643.964	6023785.565	0	RS-700	0.88009949686
12568	-122.360	37.716	2462.393	2088642.972	6023784.128	0	RS-700	1.97731654088
12569	-122.360	37.716	2644.950	2088642.422	6023782.497	0	RS-700	3.12547270440
12570	-122.360	37.716	2637.438	2088642.357	6023782.119	0	RS-700	3.07822496855
12571	-122.360	37.716	2517.642	2088642.776	6023782.996	0	RS-700	2.32479144654
12572	-122.360	37.716	2269.348	2088642.705	6023784.759	0	RS-700	0.76319729560
12573	-122.360	37.716	2168.770	2088642.535	6023786.000	0	RS-700	0.13062616352
12574	-122.360	37.716	2174.992	2088642.294	6023787.094	0	RS-700	0.16976194969
12575	-122.360	37.716	2238.913	2088642.650	6023787.506	0	RS-700	0.57177830189
12576	-122.360	37.716	2172.883	2088641.538	6023788.497	0	RS-700	0.15649773585
12577	-122.360	37.716	2200.106	2088640.066	6023789.278	0	RS-700	0.32770968554
12578	-122.360	37.716	2193.784	2088639.174	6023790.157	0	RS-700	0.28794704403
12579	-122.360	37.716	2209.115	2088639.675	6023788.807	0	RS-700	0.38437289308
12580	-122.360	37.716	2295.700	2088640.414	6023786.420	0	RS-700	0.92892867925
12581	-122.360	37.716	2258.587	2088641.507	6023784.562	0	RS-700	0.69551320755
12582	-122.360	37.716	2265.008	2088641.241	6023785.135	0	RS-700	0.73590094340
12583	-122.360	37.716	2252.142	2088640.301	6023786.621	0	RS-700	0.65498081761
12584	-122.360	37.716	2217.566	2088639.026	6023788.476	0	RS-700	0.43752396226
12585	-122.360	37.716	2210.786	2088637.672	6023790.619	0	RS-700	0.39488339623
12586	-122.360	37.716	2206.000	2088636.099	6023792.786	0	RS-700	0.36477823899
12587	-122.360	37.716	2168.776	2088634.456	6023794.837	0	RS-700	0.13066823899
12588	-122.360	37.716	2125.413	2088632.737	6023797.059	0	RS-700	-0.14205805031
12589	-122.360	37.716	2059.220	2088630.867	6023799.510	0	RS-700	-0.55836188679
12590	-122.360	37.716	2135.869	2088629.182	6023801.849	0	RS-700	-0.07629427673
12591	-122.360	37.716	2124.747	2088627.463	6023804.042	0	RS-700	-0.14624490566
12592	-122.360	37.716	2145.660	2088625.636	6023806.176	0	RS-700	-0.01471716981
12593	-122.360	37.716	2237.035	2088623.700	6023808.307	0	RS-700	0.55996559748
12594	-122.360	37.716	2205.222	2088622.094	6023810.329	0	RS-700	0.35988742138
12595	-122.360	37.716	2180.879	2088620.747	6023812.125	0	RS-700	0.20678811321
12596	-122.360	37.716	2197.007	2088619.662	6023813.579	0	RS-700	0.30821710692
12597	-122.360	37.716	2117.713	2088618.130	6023815.516	0	RS-700	-0.19048213837
12598	-122.360	37.716	2197.001	2088616.486	6023817.624	0	RS-700	0.30818333333
12599	-122.360	37.716	2166.892	2088614.841	6023819.732	0	RS-700	0.11881509434

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12600	-122.360	37.716	2233.791	2088613.160	6023821.869	0	RS-700	0.53956654088
12601	-122.360	37.716	2210.890	2088611.446	6023823.802	0	RS-700	0.39553553459
12602	-122.360	37.716	2190.555	2088609.836	6023826.026	0	RS-700	0.26764062893
12603	-122.360	37.716	2113.799	2088608.370	6023828.312	0	RS-700	-0.21509905660
12604	-122.360	37.716	2193.897	2088606.795	6023830.595	0	RS-700	0.28865823899
12605	-122.360	37.716	2129.189	2088605.149	6023832.819	0	RS-700	-0.11830867925
12606	-122.360	37.716	2060.731	2088603.540	6023834.957	0	RS-700	-0.54886446541
12607	-122.360	37.716	2104.753	2088601.895	6023837.123	0	RS-700	-0.27199320755
12608	-122.360	37.716	2023.411	2088600.359	6023839.291	0	RS-700	-0.78357886793
12609	-122.359	37.716	2104.751	2088598.785	6023841.516	0	RS-700	-0.27200433962
12610	-122.359	37.716	2218.899	2088597.250	6023843.626	0	RS-700	0.44590867925
12611	-122.359	37.716	2169.448	2088595.713	6023845.824	0	RS-700	0.13489251572
12612	-122.359	37.716	2209.234	2088594.032	6023847.960	0	RS-700	0.38511691824
12613	-122.359	37.716	2132.085	2088592.422	6023850.127	0	RS-700	-0.10009622642
12614	-122.359	37.716	2173.759	2088590.742	6023852.205	0	RS-700	0.16200528302
12615	-122.359	37.716	2129.860	2088588.917	6023854.281	0	RS-700	-0.11409081761
12616	-122.359	37.716	2112.074	2088587.056	6023856.269	0	RS-700	-0.22595132076
12617	-122.359	37.716	2224.461	2088585.267	6023858.317	0	RS-700	0.48088817610
12618	-122.359	37.716	2197.784	2088583.441	6023860.392	0	RS-700	0.31310729560
12619	-122.359	37.716	2072.428	2088581.685	6023862.643	0	RS-700	-0.47529635220
12620	-122.359	37.716	2121.077	2088579.966	6023864.836	0	RS-700	-0.16932748428
12621	-122.359	37.716	2169.882	2088578.359	6023866.916	0	RS-700	0.13762018868
12622	-122.359	37.716	2173.871	2088576.866	6023868.709	0	RS-700	0.16270962264
12623	-122.359	37.716	2138.781	2088575.821	6023869.991	0	RS-700	-0.05798106918
12624	-122.359	37.716	2153.975	2088575.112	6023870.844	0	RS-700	0.03757886792
12625	-122.359	37.716	2139.869	2088574.514	6023871.614	0	RS-700	-0.05113685535
12626	-122.359	37.716	2120.638	2088573.619	6023872.666	0	RS-700	-0.17208597484
12627	-122.359	37.716	2136.446	2088572.650	6023873.804	0	RS-700	-0.07266459120
12628	-122.359	37.716	2111.540	2088571.571	6023874.969	0	RS-700	-0.22931044025
12629	-122.359	37.716	2124.760	2088570.529	6023876.077	0	RS-700	-0.14616100629
12630	-122.359	37.716	2226.907	2088568.998	6023877.984	0	RS-700	0.49627138365
12631	-122.359	37.716	2115.860	2088567.460	6023880.211	0	RS-700	-0.20214094340
12632	-122.359	37.716	2127.864	2088565.884	6023882.580	0	RS-700	-0.12664006289
12633	-122.359	37.716	2167.105	2088564.197	6023884.977	0	RS-700	0.12016012579
12634	-122.359	37.716	2198.016	2088562.439	6023887.314	0	RS-700	0.31456798742
12635	-122.359	37.716	2324.296	2088560.646	6023889.564	0	RS-700	1.10878012579
12636	-122.359	37.716	2312.936	2088558.927	6023891.787	0	RS-700	1.03733540881
12637	-122.359	37.716	2227.243	2088557.171	6023894.009	0	RS-700	0.49838264151
12638	-122.359	37.716	2244.139	2088555.637	6023896.061	0	RS-700	0.60464654088
12639	-122.359	37.716	2210.652	2088554.031	6023898.054	0	RS-700	0.39403591195
12640	-122.359	37.716	2188.779	2088552.462	6023900.048	0	RS-700	0.25647069182
12641	-122.359	37.716	2243.685	2088551.077	6023901.959	0	RS-700	0.60179012579
12642	-122.359	37.716	2202.896	2088549.469	6023904.068	0	RS-700	0.34525981132
12643	-122.359	37.716	2282.930	2088547.823	6023906.263	0	RS-700	0.84861905660
12644	-122.359	37.716	2206.792	2088546.104	6023908.457	0	RS-700	0.36975968554



**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12645	-122.359	37.716	2250.796	2088544.493	6023910.710	0	RS-700	0.64651301887
12646	-122.359	37.716	2191.339	2088542.918	6023913.022	0	RS-700	0.27257025157
12647	-122.359	37.716	2225.905	2088541.234	6023915.274	0	RS-700	0.48996905660
12648	-122.359	37.716	2218.567	2088539.480	6023917.380	0	RS-700	0.44381685535
12649	-122.359	37.716	2308.592	2088537.727	6023919.457	0	RS-700	1.01001452830
12650	-122.359	37.716	2265.025	2088535.973	6023921.621	0	RS-700	0.73600559748
12651	-122.359	37.716	2184.662	2088534.253	6023923.844	0	RS-700	0.23057968554
12652	-122.359	37.716	2233.912	2088532.496	6023926.152	0	RS-700	0.54032735849
12653	-122.359	37.716	2146.874	2088530.559	6023928.341	0	RS-700	-0.00708270440
12654	-122.359	37.716	2038.726	2088528.693	6023930.590	0	RS-700	-0.68725861635
12655	-122.359	37.716	2214.338	2088526.823	6023933.041	0	RS-700	0.41721842767
12656	-122.359	37.716	2173.454	2088524.956	6023935.347	0	RS-700	0.16008761006
12657	-122.359	37.716	2182.215	2088523.091	6023937.595	0	RS-700	0.21518610063
12658	-122.359	37.716	2194.335	2088521.261	6023939.874	0	RS-700	0.29141509434
12659	-122.359	37.716	2135.988	2088519.501	6023942.298	0	RS-700	-0.07554622642
12660	-122.359	37.716	2197.121	2088517.706	6023944.663	0	RS-700	0.30893886793
12661	-122.359	37.716	2139.858	2088516.023	6023946.887	0	RS-700	-0.05120993711
12662	-122.359	37.716	2130.298	2088514.197	6023948.962	0	RS-700	-0.11133194969
12663	-122.359	37.716	2210.569	2088512.263	6023950.978	0	RS-700	0.39351729560
12664	-122.359	37.716	2216.121	2088510.331	6023952.936	0	RS-700	0.42843578616
12665	-122.359	37.716	2237.245	2088508.469	6023955.011	0	RS-700	0.56128672956
12666	-122.359	37.716	2187.891	2088506.679	6023957.116	0	RS-700	0.25088886793
12667	-122.359	37.716	2159.097	2088505.031	6023959.369	0	RS-700	0.06979465409
12668	-122.359	37.716	2220.674	2088503.201	6023961.676	0	RS-700	0.45706616352
12669	-122.359	37.716	2143.189	2088501.333	6023964.069	0	RS-700	-0.03025742138
12670	-122.359	37.716	2172.190	2088499.576	6023966.319	0	RS-700	0.15214000000
12671	-122.359	37.716	2052.534	2088497.854	6023968.658	0	RS-700	-0.60041251572
12672	-122.359	37.716	2152.984	2088496.388	6023970.972	0	RS-700	0.03134761006
12673	-122.359	37.716	2157.230	2088495.140	6023973.290	0	RS-700	0.05805088050
12674	-122.359	37.716	2249.136	2088493.967	6023975.524	0	RS-700	0.63607672956
12675	-122.359	37.716	2267.813	2088492.612	6023977.753	0	RS-700	0.75353930818
12676	-122.359	37.716	2141.092	2088490.892	6023979.976	0	RS-700	-0.04344773585
12677	-122.359	37.716	2112.279	2088488.956	6023982.107	0	RS-700	-0.22466062893
12678	-122.359	37.716	2246.586	2088487.129	6023984.270	0	RS-700	0.62004018868
12679	-122.359	37.716	2252.029	2088485.229	6023986.402	0	RS-700	0.65427113208
12680	-122.359	37.716	2081.627	2088483.327	6023988.649	0	RS-700	-0.41743805031
12681	-122.359	37.716	2124.759	2088481.496	6023990.985	0	RS-700	-0.14617119497
12682	-122.359	37.716	2149.764	2088479.702	6023993.293	0	RS-700	0.01109597484
12683	-122.359	37.716	2180.327	2088477.873	6023995.542	0	RS-700	0.20331591195
12684	-122.359	37.716	2255.470	2088476.008	6023997.733	0	RS-700	0.67591314465
12685	-122.359	37.716	2167.777	2088474.288	6024000.013	0	RS-700	0.12438113208
12686	-122.359	37.716	2182.666	2088472.602	6024002.381	0	RS-700	0.21802251572
12687	-122.359	37.716	2230.133	2088471.097	6024004.810	0	RS-700	0.51656056604
12688	-122.359	37.716	2178.448	2088469.561	6024006.950	0	RS-700	0.19149383648
12689	-122.359	37.716	2243.807	2088468.366	6024008.459	0	RS-700	0.60256006289

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12690	-122.359	37.716	2232.361	2088467.543	6024009.513	0	RS-700	0.53057264151
12691	-122.359	37.716	2138.083	2088467.060	6024010.024	0	RS-700	-0.06237226415
12692	-122.359	37.716	2165.878	2088467.096	6024010.025	0	RS-700	0.11244207547
12693	-122.359	37.716	2154.553	2088467.096	6024010.025	0	RS-700	0.04121094340
12694	-122.359	37.716	2173.455	2088467.059	6024010.082	0	RS-700	0.16009188679
12695	-122.359	37.716	2199.219	2088467.021	6024010.168	0	RS-700	0.32213496855
12696	-122.359	37.716	2246.254	2088466.833	6024010.425	0	RS-700	0.61794849057
12697	-122.359	37.716	2135.162	2088465.421	6024011.872	0	RS-700	-0.08074157233
12698	-122.359	37.716	2155.875	2088463.707	6024013.806	0	RS-700	0.04952968553
12699	-122.359	37.716	2129.554	2088461.915	6024015.998	0	RS-700	-0.11601547170
12700	-122.359	37.716	2143.657	2088460.157	6024018.335	0	RS-700	-0.02731396226
12701	-122.359	37.716	2143.862	2088458.363	6024020.672	0	RS-700	-0.02602484277
12702	-122.359	37.716	2085.753	2088456.494	6024023.094	0	RS-700	-0.39148993711
12703	-122.359	37.716	2186.893	2088454.698	6024025.488	0	RS-700	0.24461257862
12704	-122.359	37.716	2011.836	2088452.902	6024027.912	0	RS-700	-0.85637679245
12705	-122.359	37.716	2152.884	2088451.179	6024030.279	0	RS-700	0.03071855346
12706	-122.359	37.716	2112.541	2088449.461	6024032.443	0	RS-700	-0.22301446541
12707	-122.359	37.716	2103.077	2088447.778	6024034.696	0	RS-700	-0.28253566038
12708	-122.359	37.716	2153.885	2088445.985	6024036.917	0	RS-700	0.03701270440
12709	-122.359	37.716	2028.829	2088444.194	6024039.080	0	RS-700	-0.74950352201
12710	-122.359	37.716	2074.523	2088442.510	6024041.361	0	RS-700	-0.46212245283
12711	-122.359	37.716	2011.723	2088440.861	6024043.700	0	RS-700	-0.85709031447
12712	-122.359	37.716	2011.416	2088439.286	6024045.983	0	RS-700	-0.85901987421
12713	-122.359	37.716	2037.216	2088437.820	6024048.298	0	RS-700	-0.69675257862
12714	-122.359	37.716	2167.557	2088436.281	6024050.611	0	RS-700	0.12300088050
12715	-122.359	37.716	1992.035	2088434.854	6024052.781	0	RS-700	-0.98091251572
12716	-122.359	37.716	2046.847	2088433.914	6024054.238	0	RS-700	-0.63618364780
12717	-122.359	37.716	2028.628	2088433.191	6024055.815	0	RS-700	-0.75076540881
12718	-122.359	37.716	2060.318	2088433.522	6024057.470	0	RS-700	-0.55146207547
12719	-122.359	37.716	2043.427	2088434.251	6024059.278	0	RS-700	-0.65768911950
12720	-122.359	37.716	2051.730	2088435.074	6024060.047	0	RS-700	-0.60547364780
12721	-122.359	37.716	2077.950	2088434.105	6024059.305	0	RS-700	-0.44056886793
12722	-122.359	37.716	2073.884	2088432.311	6024057.967	0	RS-700	-0.46614050315
12723	-122.359	37.716	2090.641	2088431.856	6024057.003	0	RS-700	-0.36075006289
12724	-122.359	37.716	2122.763	2088430.745	6024056.113	0	RS-700	-0.15872088050
12725	-122.359	37.716	1992.007	2088430.030	6024055.463	0	RS-700	-0.98108924528
12726	-122.359	37.716	2150.084	2088430.274	6024055.988	0	RS-700	0.01310716981
12727	-122.359	37.716	2133.763	2088431.134	6024056.700	0	RS-700	-0.08954314465
12728	-122.359	37.716	2045.832	2088431.532	6024056.852	0	RS-700	-0.64256867925
12729	-122.359	37.716	2148.882	2088431.891	6024057.091	0	RS-700	0.00554867925
12730	-122.359	37.716	2194.886	2088432.470	6024057.276	0	RS-700	0.29488188679
12731	-122.359	37.716	2051.831	2088433.992	6024057.653	0	RS-700	-0.60483647799
12732	-122.359	37.716	2071.836	2088435.528	6024057.337	0	RS-700	-0.47901672956
12733	-122.359	37.716	2125.879	2088435.930	6024057.258	0	RS-700	-0.13912547170
12734	-122.359	37.716	2045.422	2088434.752	6024057.900	0	RS-700	-0.64514603774

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12735	-122.359	37.716	2101.854	2088433.278	6024058.767	0	RS-700	-0.29022421384
12736	-122.359	37.716	2141.655	2088432.653	6024059.073	0	RS-700	-0.03990597484
12737	-122.359	37.716	2091.851	2088432.394	6024059.299	0	RS-700	-0.35313710692
12738	-122.359	37.716	2006.917	2088433.755	6024058.574	0	RS-700	-0.88731754717
12739	-122.359	37.716	2087.639	2088435.577	6024056.701	0	RS-700	-0.37962723270
12740	-122.359	37.716	2164.838	2088436.889	6024054.818	0	RS-700	0.10589672956
12741	-122.359	37.716	2147.657	2088438.595	6024053.289	0	RS-700	-0.00215792453
12742	-122.359	37.716	1984.799	2088440.306	6024051.472	0	RS-700	-1.02642433962
12743	-122.359	37.716	1922.777	2088441.882	6024049.131	0	RS-700	-1.41649377358
12744	-122.359	37.716	2100.981	2088443.345	6024047.019	0	RS-700	-0.29571635220
12745	-122.359	37.716	1984.706	2088444.872	6024045.313	0	RS-700	-1.02700716981
12746	-122.359	37.716	2086.435	2088446.472	6024043.580	0	RS-700	-0.38720421384
12747	-122.359	37.716	2150.197	2088448.032	6024042.049	0	RS-700	0.01382025157
12748	-122.359	37.716	2166.979	2088449.225	6024040.655	0	RS-700	0.11936339623
12749	-122.359	37.716	2203.249	2088450.940	6024038.664	0	RS-700	0.34748025157
12750	-122.359	37.716	2125.610	2088452.692	6024036.645	0	RS-700	-0.14082069182
12751	-122.359	37.716	2058.837	2088454.334	6024034.652	0	RS-700	-0.56077465409
12752	-122.359	37.716	2147.657	2088455.753	6024032.887	0	RS-700	-0.00215710692
12753	-122.359	37.716	2112.542	2088457.429	6024031.011	0	RS-700	-0.22300427673
12754	-122.359	37.716	2166.877	2088459.142	6024029.106	0	RS-700	0.11872207547
12755	-122.359	37.716	2137.296	2088460.820	6024027.143	0	RS-700	-0.06731905660
12756	-122.359	37.716	2204.336	2088462.536	6024025.065	0	RS-700	0.35431308176
12757	-122.359	37.716	2168.321	2088464.179	6024023.044	0	RS-700	0.12780610063
12758	-122.359	37.716	2146.979	2088465.788	6024020.906	0	RS-700	-0.00642157233
12759	-122.359	37.716	2102.969	2088467.432	6024018.798	0	RS-700	-0.28321232704
12760	-122.359	37.716	2205.006	2088469.184	6024016.750	0	RS-700	0.35852672956
12761	-122.359	37.716	2182.216	2088470.972	6024014.760	0	RS-700	0.21519515723
12762	-122.359	37.716	2235.792	2088472.724	6024012.712	0	RS-700	0.55214836478
12763	-122.359	37.716	2274.924	2088474.513	6024010.664	0	RS-700	0.79826515723
12764	-122.359	37.716	2269.254	2088476.228	6024008.673	0	RS-700	0.76260176101
12765	-122.359	37.716	2237.038	2088477.833	6024006.680	0	RS-700	0.55998679245
12766	-122.359	37.716	2208.455	2088479.584	6024004.719	0	RS-700	0.38021861635
12767	-122.359	37.716	2229.922	2088481.446	6024002.673	0	RS-700	0.51523534591
12768	-122.359	37.716	2221.462	2088483.383	6024000.483	0	RS-700	0.46202433962
12769	-122.359	37.716	2220.480	2088485.139	6023998.262	0	RS-700	0.45584937107
12770	-122.359	37.716	2270.816	2088486.747	6023996.124	0	RS-700	0.77242987421
12771	-122.359	37.716	2039.231	2088488.321	6023993.898	0	RS-700	-0.68408056604
12772	-122.359	37.716	2256.577	2088490.040	6023991.705	0	RS-700	0.68287465409
12773	-122.359	37.716	2197.895	2088491.758	6023989.540	0	RS-700	0.31380301887
12774	-122.359	37.716	2285.699	2088493.511	6023987.463	0	RS-700	0.86602874214
12775	-122.359	37.716	2235.471	2088495.157	6023985.268	0	RS-700	0.55013308176
12776	-122.359	37.716	2210.897	2088496.802	6023983.131	0	RS-700	0.39558018868
12777	-122.359	37.716	2140.083	2088498.446	6023981.052	0	RS-700	-0.04979484277
12778	-122.359	37.716	2235.470	2088499.981	6023978.941	0	RS-700	0.55012396226
12779	-122.359	37.716	2178.569	2088501.479	6023976.859	0	RS-700	0.19225836478

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12780	-122.359	37.716	2221.348	2088502.906	6023974.689	0	RS-700	0.46130685535
12781	-122.359	37.716	2144.658	2088504.296	6023972.547	0	RS-700	-0.02101786164
12782	-122.359	37.716	2168.557	2088505.757	6023970.493	0	RS-700	0.12928949686
12783	-122.359	37.716	2205.875	2088507.214	6023968.641	0	RS-700	0.36399509434
12784	-122.359	37.716	2203.562	2088508.780	6023966.850	0	RS-700	0.34944748428
12785	-122.359	37.716	2274.919	2088510.421	6023964.915	0	RS-700	0.79823276730
12786	-122.359	37.716	2126.207	2088512.101	6023962.836	0	RS-700	-0.13706377359
12787	-122.359	37.716	2149.413	2088513.781	6023960.729	0	RS-700	0.00888660377
12788	-122.359	37.716	2143.972	2088515.390	6023958.591	0	RS-700	-0.02533402516
12789	-122.359	37.716	2095.956	2088516.925	6023956.481	0	RS-700	-0.32732264151
12790	-122.359	37.716	2145.284	2088518.535	6023954.285	0	RS-700	-0.01707899371
12791	-122.359	37.716	2140.659	2088520.219	6023951.975	0	RS-700	-0.04617119497
12792	-122.359	37.716	2221.123	2088521.868	6023949.664	0	RS-700	0.45989188679
12793	-122.359	37.716	2221.505	2088523.662	6023947.357	0	RS-700	0.46229496855
12794	-122.359	37.716	2182.776	2088525.420	6023945.019	0	RS-700	0.21871685535
12795	-122.359	37.716	2197.011	2088527.033	6023942.650	0	RS-700	0.30824345912
12796	-122.359	37.716	2207.566	2088528.786	6023940.573	0	RS-700	0.37463012579
12797	-122.359	37.716	2092.070	2088530.504	6023938.437	0	RS-700	-0.35176201258
12798	-122.359	37.716	2128.331	2088532.187	6023936.214	0	RS-700	-0.12370188679
12799	-122.359	37.716	2164.097	2088533.944	6023933.905	0	RS-700	0.10124094340
12800	-122.359	37.716	2132.866	2088535.739	6023931.540	0	RS-700	-0.09517943396
12801	-122.359	37.716	2074.947	2088537.533	6023929.232	0	RS-700	-0.45945062893
12802	-122.359	37.716	2282.836	2088539.290	6023926.953	0	RS-700	0.84802509434
12803	-122.359	37.716	2262.694	2088541.155	6023924.762	0	RS-700	0.72134364780
12804	-122.359	37.716	2222.123	2088543.021	6023922.456	0	RS-700	0.46618289308
12805	-122.359	37.716	2241.135	2088544.851	6023920.178	0	RS-700	0.58575704403
12806	-122.359	37.716	2443.366	2088546.608	6023917.898	0	RS-700	1.85764811321
12807	-122.359	37.716	2272.038	2088548.290	6023915.733	0	RS-700	0.78011276730
12808	-122.359	37.716	2337.250	2088549.935	6023913.596	0	RS-700	1.19025000000
12809	-122.359	37.716	2226.017	2088551.472	6023911.398	0	RS-700	0.49067188679
12810	-122.359	37.716	2239.572	2088553.120	6023909.117	0	RS-700	0.57592402516
12811	-122.359	37.716	2206.009	2088554.767	6023906.835	0	RS-700	0.36483830189
12812	-122.359	37.716	2169.444	2088556.597	6023904.586	0	RS-700	0.13487012579
12813	-122.359	37.716	2363.842	2088558.424	6023902.452	0	RS-700	1.35749647799
12814	-122.359	37.716	2227.559	2088560.252	6023900.232	0	RS-700	0.50037402516
12815	-122.359	37.716	2232.022	2088562.079	6023898.099	0	RS-700	0.52844226415
12816	-122.359	37.716	2231.026	2088563.723	6023895.990	0	RS-700	0.52217704403
12817	-122.359	37.716	2315.941	2088565.405	6023893.854	0	RS-700	1.05623157233
12818	-122.359	37.716	2199.335	2088567.089	6023891.573	0	RS-700	0.32286421384
12819	-122.359	37.716	2208.577	2088568.845	6023889.351	0	RS-700	0.38098584906
12820	-122.359	37.716	2254.021	2088570.712	6023887.016	0	RS-700	0.66679591195
12821	-122.359	37.716	2177.773	2088572.690	6023884.625	0	RS-700	0.18725207547
12822	-122.359	37.716	2099.952	2088574.666	6023882.292	0	RS-700	-0.30218918239
12823	-122.359	37.716	2146.086	2088576.713	6023880.076	0	RS-700	-0.01203874214
12824	-122.359	37.716	2141.199	2088578.762	6023877.773	0	RS-700	-0.04277301887

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12825	-122.359	37.716	2222.019	2088580.562	6023875.177	0	RS-700	0.46553056604
12826	-122.359	37.716	2118.852	2088582.541	6023872.699	0	RS-700	-0.18332050315
12827	-122.359	37.716	2201.788	2088584.413	6023870.132	0	RS-700	0.33828924528
12828	-122.359	37.716	2168.989	2088586.286	6023867.508	0	RS-700	0.13200415094
12829	-122.359	37.716	2094.430	2088588.012	6023864.967	0	RS-700	-0.33691547170
12830	-122.359	37.716	2126.975	2088589.699	6023862.542	0	RS-700	-0.13223339623
12831	-122.359	37.716	2173.654	2088591.275	6023860.230	0	RS-700	0.16134459120
12832	-122.359	37.716	2155.767	2088593.176	6023858.011	0	RS-700	0.04884779874
12833	-122.359	37.716	2211.899	2088595.189	6023855.679	0	RS-700	0.40187861635
12834	-122.359	37.716	2134.080	2088597.203	6023853.317	0	RS-700	-0.08754427673
12835	-122.359	37.716	2130.868	2088599.327	6023850.900	0	RS-700	-0.10775125786
12836	-122.359	37.716	2136.971	2088601.230	6023848.566	0	RS-700	-0.06936691824
12837	-122.359	37.716	2110.849	2088602.953	6023846.170	0	RS-700	-0.23365157233
12838	-122.359	37.716	2057.737	2088604.713	6023843.775	0	RS-700	-0.56769496855
12839	-122.360	37.716	2106.850	2088606.399	6023841.407	0	RS-700	-0.25880490566
12840	-122.360	37.716	2098.324	2088608.405	6023839.422	0	RS-700	-0.31242672956
12841	-122.360	37.716	1960.707	2088609.796	6023837.222	0	RS-700	-1.17794031447
12842	-122.360	37.716	1908.686	2088611.166	6023836.063	0	RS-700	-1.50511805031
12843	-122.360	37.716	2045.829	2088612.730	6023834.329	0	RS-700	-0.64258729560
12844	-122.360	37.716	2165.103	2088614.590	6023832.399	0	RS-700	0.10756603774
12845	-122.360	37.716	1636.336	2088615.951	6023829.880	0	RS-700	-3.21801270440
12846	-122.360	37.716	1021.258	2088617.333	6023828.143	0	RS-700	-7.08642679245
12847	-122.360	37.716	1297.400	2088618.830	6023826.118	0	RS-700	-5.34968710692
12848	-122.360	37.716	2012.612	2088620.437	6023824.067	0	RS-700	-0.85149396226
12849	-122.360	37.716	2097.751	2088622.155	6023821.903	0	RS-700	-0.31603295598
12850	-122.360	37.716	2208.671	2088624.060	6023819.510	0	RS-700	0.38158113208
12851	-122.360	37.716	2193.111	2088626.035	6023817.264	0	RS-700	0.28371509434
12852	-122.360	37.716	2142.970	2088627.936	6023815.074	0	RS-700	-0.03163213836
12853	-122.360	37.716	2206.790	2088629.764	6023812.883	0	RS-700	0.36974955975
12854	-122.360	37.716	2053.840	2088631.558	6023810.546	0	RS-700	-0.59220169811
12855	-122.360	37.716	2153.094	2088633.464	6023808.125	0	RS-700	0.03203842767
12856	-122.360	37.716	2211.689	2088635.402	6023805.878	0	RS-700	0.40056270440
12857	-122.360	37.716	2133.648	2088637.341	6023803.602	0	RS-700	-0.09026201258
12858	-122.360	37.716	2256.691	2088639.170	6023801.382	0	RS-700	0.68359389937
12859	-122.360	37.716	2115.859	2088640.889	6023799.159	0	RS-700	-0.20214176101
12860	-122.360	37.716	2086.845	2088642.461	6023797.021	0	RS-700	-0.38462163522
12861	-122.360	37.716	2304.552	2088643.961	6023794.881	0	RS-700	0.98460496855
12862	-122.360	37.716	2217.790	2088645.165	6023792.908	0	RS-700	0.43892993711
12863	-122.360	37.716	2259.036	2088646.093	6023792.059	0	RS-700	0.69834069182
12864	-122.360	37.716	2212.118	2088647.122	6023791.559	0	RS-700	0.40326012579
12865	-122.360	37.716	2200.787	2088648.144	6023791.434	0	RS-700	0.33199251572
12866	-122.360	37.716	2226.110	2088647.239	6023791.156	0	RS-700	0.49125710692
12867	-122.360	37.716	2225.908	2088645.407	6023789.904	0	RS-700	0.48999031447
12868	-122.360	37.716	2230.690	2088644.866	6023789.633	0	RS-700	0.52006044025
12869	-122.360	37.716	2185.558	2088645.697	6023789.997	0	RS-700	0.23621540881

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12870	-122.360	37.716	2218.009	2088647.137	6023790.836	0	RS-700	0.44031006289
12871	-122.360	37.716	2219.903	2088648.026	6023791.895	0	RS-700	0.45222264151
12872	-122.360	37.716	2158.665	2088648.438	6023793.147	0	RS-700	0.06707729560
12873	-122.360	37.716	2165.775	2088648.452	6023794.305	0	RS-700	0.11179194969
12874	-122.360	37.716	2338.945	2088648.449	6023794.449	0	RS-700	1.20091232704
12875	-122.360	37.716	2256.809	2088649.308	6023793.367	0	RS-700	0.68433628931
12876	-122.360	37.716	2245.361	2088650.240	6023792.257	0	RS-700	0.61233226415
12877	-122.360	37.716	2327.161	2088650.240	6023792.286	0	RS-700	1.12679679245
12878	-122.360	37.716	2173.558	2088649.530	6023793.169	0	RS-700	0.16074232704
12879	-122.360	37.716	2274.924	2088647.889	6023795.103	0	RS-700	0.79826534591
12880	-122.360	37.716	2245.016	2088646.204	6023797.442	0	RS-700	0.61016138365
12881	-122.360	37.716	2215.896	2088644.411	6023799.721	0	RS-700	0.42701660377
12882	-122.360	37.716	2162.448	2088642.397	6023802.082	0	RS-700	0.09086698113
12883	-122.360	37.716	2177.324	2088640.566	6023804.418	0	RS-700	0.18442798742
12884	-122.360	37.716	2234.904	2088638.588	6023806.838	0	RS-700	0.54656893082
12885	-122.360	37.716	2174.777	2088636.684	6023809.173	0	RS-700	0.16841188679
12886	-122.360	37.716	2124.655	2088634.926	6023811.510	0	RS-700	-0.14682616352
12887	-122.360	37.716	2125.189	2088633.095	6023813.846	0	RS-700	-0.14346522013
12888	-122.360	37.716	2218.690	2088631.301	6023816.154	0	RS-700	0.44459194969
12889	-122.360	37.716	2202.894	2088629.616	6023818.492	0	RS-700	0.34524698113
12890	-122.360	37.716	2148.773	2088627.784	6023820.857	0	RS-700	0.00486081761
12891	-122.360	37.716	2096.633	2088626.321	6023822.998	0	RS-700	-0.32306289308
12892	-122.360	37.716	2033.727	2088624.672	6023825.366	0	RS-700	-0.71869924528
12893	-122.360	37.716	1245.322	2088623.245	6023827.537	0	RS-700	-5.67722327044
12894	-122.360	37.716	945.151	2088622.013	6023829.046	0	RS-700	-7.56508874214
12895	-122.360	37.716	1096.172	2088620.743	6023830.641	0	RS-700	-6.61527106918
12896	-122.360	37.716	1751.449	2088619.802	6023832.155	0	RS-700	-2.49403276730
12897	-122.360	37.716	2120.746	2088618.826	6023833.640	0	RS-700	-0.17140987421
12898	-122.360	37.716	2089.952	2088618.077	6023834.696	0	RS-700	-0.36508402516
12899	-122.360	37.716	1984.411	2088616.995	6023836.005	0	RS-700	-1.02885968553
12900	-122.360	37.716	1663.699	2088616.059	6023837.288	0	RS-700	-3.04591817610
12901	-122.360	37.716	1586.391	2088614.901	6023838.712	0	RS-700	-3.53213496855
12902	-122.360	37.716	1748.379	2088613.780	6023840.136	0	RS-700	-2.51334220126
12903	-122.360	37.716	1962.611	2088613.033	6023841.076	0	RS-700	-1.16596597484
12904	-122.359	37.716	2020.714	2088612.360	6023841.959	0	RS-700	-0.80054213837
12905	-122.359	37.716	1970.088	2088611.574	6023843.043	0	RS-700	-1.11894345912
12906	-122.359	37.716	2039.924	2088610.270	6023844.522	0	RS-700	-0.67972641509
12907	-122.359	37.716	2123.755	2088608.896	6023845.825	0	RS-700	-0.15248163522
12908	-122.359	37.716	2006.415	2088607.253	6023847.876	0	RS-700	-0.89047031447
12909	-122.359	37.716	2267.154	2088606.126	6023849.647	0	RS-700	0.74939352201
12910	-122.359	37.716	2197.325	2088604.374	6023851.637	0	RS-700	0.31022062893
12911	-122.359	37.716	2249.026	2088602.660	6023853.599	0	RS-700	0.63538628931
12912	-122.359	37.716	2174.425	2088601.161	6023855.710	0	RS-700	0.16619377359
12913	-122.359	37.716	2249.453	2088599.589	6023857.849	0	RS-700	0.63806867925
12914	-122.359	37.716	2078.849	2088597.984	6023859.842	0	RS-700	-0.43491352201

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12915	-122.359	37.716	2188.000	2088596.522	6023861.896	0	RS-700	0.25157270440
12916	-122.359	37.716	2215.131	2088595.098	6023863.951	0	RS-700	0.42220723270
12917	-122.359	37.716	2080.262	2088593.456	6023865.915	0	RS-700	-0.42602716981
12918	-122.359	37.716	2155.091	2088592.817	6023866.914	0	RS-700	0.04459987421
12919	-122.359	37.716	2260.251	2088592.330	6023867.628	0	RS-700	0.70597981132
12920	-122.359	37.716	2149.982	2088592.069	6023867.912	0	RS-700	0.01246371069
12921	-122.359	37.716	2111.648	2088592.105	6023867.913	0	RS-700	-0.22862691824
12922	-122.359	37.716	2100.755	2088592.105	6023867.913	0	RS-700	-0.29713981132
12923	-122.359	37.716	2108.066	2088592.142	6023867.885	0	RS-700	-0.25115528302
12924	-122.359	37.716	2172.559	2088592.142	6023867.885	0	RS-700	0.15445635220
12925	-122.359	37.716	2088.846	2088592.142	6023867.885	0	RS-700	-0.37203943396
12926	-122.359	37.716	2106.190	2088592.142	6023867.914	0	RS-700	-0.26295314465
12927	-122.359	37.716	2101.544	2088592.105	6023867.913	0	RS-700	-0.29217786164
12928	-122.359	37.716	2078.749	2088592.105	6023867.913	0	RS-700	-0.43554119497
12929	-122.359	37.716	2177.339	2088592.142	6023867.914	0	RS-700	0.18452188679
12930	-122.359	37.716	2154.985	2088592.106	6023867.884	0	RS-700	0.04393119497
12931	-122.359	37.716	2178.782	2088592.106	6023867.884	0	RS-700	0.19359779874
12932	-122.359	37.716	2118.435	2088592.070	6023867.883	0	RS-700	-0.18594232704
12933	-122.359	37.716	2196.112	2088592.105	6023867.913	0	RS-700	0.30259176101
12934	-122.359	37.716	2175.671	2088592.105	6023867.913	0	RS-700	0.17403427673
12935	-122.359	37.716	2207.686	2088592.105	6023867.913	0	RS-700	0.37538371069
12936	-122.359	37.716	2134.439	2088592.105	6023867.913	0	RS-700	-0.08528716981
12937	-122.359	37.716	2195.448	2088592.105	6023867.942	0	RS-700	0.29841773585
12938	-122.359	37.716	2156.877	2088592.105	6023867.913	0	RS-700	0.05582779874
12939	-122.359	37.716	2208.670	2088592.105	6023867.913	0	RS-700	0.38156987421
12940	-122.359	37.716	2041.238	2088592.105	6023867.942	0	RS-700	-0.67145918239
12941	-122.359	37.716	2084.733	2088592.105	6023867.913	0	RS-700	-0.39790616352
12942	-122.359	37.716	2192.677	2088592.105	6023867.913	0	RS-700	0.28098955975
12943	-122.359	37.716	2170.665	2088592.105	6023867.913	0	RS-700	0.14254849057
12944	-122.359	37.716	2216.128	2088592.105	6023867.913	0	RS-700	0.42847886793
12945	-122.359	37.716	2184.784	2088592.105	6023867.913	0	RS-700	0.23134490566
12946	-122.359	37.716	2115.961	2088592.106	6023867.884	0	RS-700	-0.20150226415
12947	-122.359	37.716	2159.883	2088592.106	6023867.884	0	RS-700	0.07473566038
12948	-122.359	37.716	2199.562	2088592.106	6023867.884	0	RS-700	0.32429000000
12949	-122.359	37.716	2247.354	2088592.107	6023867.855	0	RS-700	0.62486729560
12950	-122.359	37.716	2155.231	2088592.107	6023867.855	0	RS-700	0.04547685535
12951	-122.359	37.716	2055.425	2088592.143	6023867.856	0	RS-700	-0.58223459120
12952	-122.359	37.716	2115.278	2088592.107	6023867.855	0	RS-700	-0.20579723270
12953	-122.359	37.716	2121.864	2088592.143	6023867.856	0	RS-700	-0.16437754717
12954	-122.359	37.716	2093.747	2088592.143	6023867.856	0	RS-700	-0.34121433962
12955	-122.359	37.716	2207.116	2088592.143	6023867.856	0	RS-700	0.37179672956
12956	-122.359	37.716	2179.995	2088592.143	6023867.856	0	RS-700	0.20122880503
12957	-122.359	37.716	2133.872	2088592.143	6023867.856	0	RS-700	-0.08885786164
12958	-122.359	37.716	2130.545	2088592.179	6023867.856	0	RS-700	-0.10977691824
12959	-122.359	37.716	2170.772	2088592.179	6023867.856	0	RS-700	0.14322207547

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
12960	-122.359	37.716	2190.559	2088592.180	6023867.828	0	RS-700	0.26766698113
12961	-122.359	37.716	2130.626	2088592.180	6023867.828	0	RS-700	-0.10926836478
12962	-122.359	37.716	2197.893	2088592.180	6023867.828	0	RS-700	0.31379012579
12963	-122.359	37.716	2176.885	2088592.144	6023867.827	0	RS-700	0.18166905660
12964	-122.359	37.716	2153.306	2088592.144	6023867.798	0	RS-700	0.03337144654
12965	-122.359	37.716	2205.008	2088592.144	6023867.798	0	RS-700	0.35854238994
12966	-122.359	37.716	2135.763	2088592.144	6023867.798	0	RS-700	-0.07696433962
12967	-122.359	37.716	2177.231	2088592.144	6023867.798	0	RS-700	0.18384484277
12968	-122.359	37.716	2113.015	2088592.144	6023867.798	0	RS-700	-0.22003182390
12969	-122.359	37.716	2212.573	2088592.108	6023867.797	0	RS-700	0.40611987421
12970	-122.359	37.716	2204.229	2088592.144	6023867.798	0	RS-700	0.35363899371
12971	-122.359	37.716	2127.438	2088592.144	6023867.827	0	RS-700	-0.12932169811
12972	-122.359	37.716	2152.671	2088592.144	6023867.827	0	RS-700	0.02937471698
12973	-122.359	37.716	2139.333	2088592.144	6023867.798	0	RS-700	-0.05451144654
12974	-122.359	37.716	2186.334	2088592.144	6023867.798	0	RS-700	0.24109641509
12975	-122.359	37.716	2238.017	2088592.144	6023867.798	0	RS-700	0.56614188679
12976	-122.359	37.716	2189.894	2088592.144	6023867.798	0	RS-700	0.26348446541
12977	-122.359	37.716	2159.416	2088592.181	6023867.799	0	RS-700	0.07179710692
12978	-122.359	37.716	2117.390	2088592.144	6023867.798	0	RS-700	-0.19251371069
12979	-122.359	37.716	2102.550	2088592.181	6023867.799	0	RS-700	-0.28585062893
12980	-122.359	37.716	2249.364	2088592.145	6023867.769	0	RS-700	0.63750641509
12981	-122.359	37.716	2081.062	2088592.145	6023867.769	0	RS-700	-0.42099339623
12982	-122.359	37.716	2196.000	2088592.145	6023867.769	0	RS-700	0.30188742138
12983	-122.359	37.716	2132.192	2088592.145	6023867.769	0	RS-700	-0.09942213836
12984	-122.359	37.716	2099.855	2088592.145	6023867.769	0	RS-700	-0.30279880503
12985	-122.359	37.716	2202.676	2088592.145	6023867.740	0	RS-700	0.34387572327
12986	-122.359	37.716	2204.996	2088592.145	6023867.769	0	RS-700	0.35846352201
12987	-122.359	37.716	2172.098	2088592.145	6023867.769	0	RS-700	0.15156220126
12988	-122.359	37.716	2166.557	2088592.145	6023867.769	0	RS-700	0.11671245283
12989	-122.359	37.716	2241.912	2088592.145	6023867.769	0	RS-700	0.59064081761
12990	-122.359	37.716	2153.891	2088592.145	6023867.769	0	RS-700	0.03705119497
12991	-122.359	37.716	2197.128	2088592.181	6023867.770	0	RS-700	0.30898396226
12992	-122.359	37.716	2245.574	2088592.181	6023867.770	0	RS-700	0.61367383648
12993	-122.359	37.716	2158.765	2088592.181	6023867.799	0	RS-700	0.06770635220
12994	-122.359	37.716	2173.341	2088592.145	6023867.769	0	RS-700	0.15937968554
12995	-122.359	37.716	2078.056	2088592.145	6023867.769	0	RS-700	-0.43989893082
12996	-122.359	37.716	2268.385	2088592.070	6023867.883	0	RS-700	0.75713811321
12997	-122.359	37.716	2129.782	2088591.583	6023868.539	0	RS-700	-0.11457855346
12998	-122.359	37.716	2049.936	2088590.649	6023869.707	0	RS-700	-0.61675238994
12999	-122.359	37.716	2201.775	2088589.007	6023871.728	0	RS-700	0.33820779874
13000	-122.359	37.716	2187.452	2088588.211	6023873.274	0	RS-700	0.24812842767
13001	-122.359	37.716	2054.423	2088587.045	6023875.161	0	RS-700	-0.58853572327
13002	-122.359	37.716	2095.964	2088585.659	6023877.100	0	RS-700	-0.32727106918
13003	-122.359	37.716	2143.450	2088584.165	6023878.951	0	RS-700	-0.02861566038
13004	-122.359	37.716	2109.647	2088582.189	6023881.255	0	RS-700	-0.24121081761



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13005	-122.359	37.716	2100.748	2088580.432	6023883.535	0	RS-700	-0.29718207547
13006	-122.359	37.716	2080.638	2088579.155	6023885.506	0	RS-700	-0.42366056604
13007	-122.359	37.716	2265.241	2088577.509	6023887.701	0	RS-700	0.73736685535
13008	-122.359	37.716	2164.225	2088575.896	6023890.041	0	RS-700	0.10204125786
13009	-122.359	37.716	2151.312	2088574.246	6023892.467	0	RS-700	0.02082905660
13010	-122.359	37.716	2227.124	2088572.451	6023894.804	0	RS-700	0.49763528302
13011	-122.359	37.716	2227.546	2088570.658	6023897.083	0	RS-700	0.50029037736
13012	-122.359	37.716	2234.908	2088568.901	6023899.362	0	RS-700	0.54659081761
13013	-122.359	37.716	2221.681	2088567.145	6023901.584	0	RS-700	0.46340503145
13014	-122.359	37.716	2298.479	2088565.424	6023903.893	0	RS-700	0.94640628931
13015	-122.359	37.716	2323.485	2088563.701	6023906.260	0	RS-700	1.10367993711
13016	-122.359	37.716	2355.422	2088562.054	6023908.542	0	RS-700	1.30454339623
13017	-122.359	37.716	2299.710	2088560.261	6023910.792	0	RS-700	0.95414849057
13018	-122.359	37.716	2203.108	2088558.577	6023913.044	0	RS-700	0.34659037736
13019	-122.359	37.716	2239.246	2088556.487	6023915.577	0	RS-700	0.57387226415
13020	-122.359	37.716	2268.473	2088555.173	6023917.576	0	RS-700	0.75769194969
13021	-122.359	37.716	2254.710	2088553.342	6023919.912	0	RS-700	0.67113050315
13022	-122.359	37.716	2375.075	2088551.552	6023922.018	0	RS-700	1.42814452830
13023	-122.359	37.716	2289.590	2088550.207	6023923.727	0	RS-700	0.89050081761
13024	-122.359	37.716	2296.814	2088549.384	6023924.839	0	RS-700	0.93593911950
13025	-122.359	37.716	2272.569	2088548.974	6023925.322	0	RS-700	0.78344974843
13026	-122.359	37.716	2250.137	2088548.936	6023925.408	0	RS-700	0.64237006289
13027	-122.359	37.716	2178.447	2088548.936	6023925.379	0	RS-700	0.19149238994
13028	-122.359	37.716	2234.130	2088548.972	6023925.380	0	RS-700	0.54169792453
13029	-122.359	37.716	2210.132	2088548.972	6023925.380	0	RS-700	0.39076522013
13030	-122.359	37.716	2203.006	2088548.972	6023925.380	0	RS-700	0.34595125786
13031	-122.359	37.716	2285.393	2088548.936	6023925.379	0	RS-700	0.86410610063
13032	-122.359	37.716	2278.835	2088548.936	6023925.379	0	RS-700	0.82286062893
13033	-122.359	37.716	2177.876	2088548.936	6023925.408	0	RS-700	0.18790018868
13034	-122.359	37.716	2210.787	2088548.936	6023925.379	0	RS-700	0.39488786164
13035	-122.359	37.716	2297.274	2088548.972	6023925.380	0	RS-700	0.93883088050
13036	-122.359	37.716	2188.216	2088549.009	6023925.381	0	RS-700	0.25293232704
13037	-122.359	37.716	2246.236	2088549.009	6023925.381	0	RS-700	0.61783433962
13038	-122.359	37.716	2225.242	2088549.009	6023925.352	0	RS-700	0.48579647799
13039	-122.359	37.716	2233.799	2088549.009	6023925.381	0	RS-700	0.53961805031
13040	-122.359	37.716	2207.683	2088549.045	6023925.382	0	RS-700	0.37536710692
13041	-122.359	37.716	2243.132	2088548.713	6023925.606	0	RS-700	0.59831327044
13042	-122.359	37.716	2236.019	2088548.677	6023925.606	0	RS-700	0.55357660377
13043	-122.359	37.716	2319.220	2088548.677	6023925.606	0	RS-700	1.07685842767
13044	-122.359	37.716	2312.828	2088548.677	6023925.577	0	RS-700	1.03665616352
13045	-122.359	37.716	2284.931	2088548.677	6023925.577	0	RS-700	0.86120383648
13046	-122.359	37.716	2363.960	2088548.714	6023925.578	0	RS-700	1.35823735849
13047	-122.359	37.716	2300.705	2088549.046	6023925.353	0	RS-700	0.96040974843
13048	-122.359	37.716	2180.340	2088549.046	6023925.324	0	RS-700	0.20339540881
13049	-122.359	37.716	2170.208	2088549.046	6023925.353	0	RS-700	0.13967088050

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13050	-122.359	37.716	2211.569	2088549.046	6023925.353	0	RS-700	0.39980264151
13051	-122.359	37.716	2249.138	2088548.713	6023925.606	0	RS-700	0.63608528302
13052	-122.359	37.716	2200.895	2088548.714	6023925.578	0	RS-700	0.33267465409
13053	-122.359	37.716	2228.242	2088548.749	6023925.607	0	RS-700	0.50466421384
13054	-122.359	37.716	2183.996	2088548.749	6023925.607	0	RS-700	0.22639264151
13055	-122.359	37.716	2170.100	2088549.008	6023925.410	0	RS-700	0.13899264151
13056	-122.359	37.716	2269.150	2088549.045	6023925.382	0	RS-700	0.76194672956
13057	-122.359	37.716	2156.873	2088549.119	6023925.354	0	RS-700	0.05580767296
13058	-122.359	37.716	2290.931	2088549.119	6023925.354	0	RS-700	0.89894012579
13059	-122.359	37.716	2194.795	2088549.004	6023925.612	0	RS-700	0.29430597484
13060	-122.359	37.716	2272.133	2088548.476	6023926.556	0	RS-700	0.78071308176
13061	-122.359	37.716	2269.473	2088547.244	6023928.065	0	RS-700	0.76398295598
13062	-122.359	37.716	2251.806	2088545.716	6023929.800	0	RS-700	0.65286597484
13063	-122.359	37.716	2251.592	2088544.300	6023931.421	0	RS-700	0.65152012579
13064	-122.359	37.716	2253.916	2088542.250	6023933.810	0	RS-700	0.66613704403
13065	-122.359	37.716	2159.769	2088540.827	6023935.749	0	RS-700	0.07401798742
13066	-122.359	37.716	2228.907	2088538.923	6023938.084	0	RS-700	0.50884880503
13067	-122.359	37.716	2153.981	2088537.163	6023940.537	0	RS-700	0.03761339623
13068	-122.359	37.716	2283.817	2088535.221	6023942.986	0	RS-700	0.85419559748
13069	-122.359	37.716	2248.691	2088533.277	6023945.465	0	RS-700	0.63327899371
13070	-122.359	37.716	2165.877	2088531.335	6023947.914	0	RS-700	0.11243220126
13071	-122.359	37.716	2190.441	2088529.465	6023950.365	0	RS-700	0.26692553459
13072	-122.359	37.716	2094.860	2088527.631	6023952.874	0	RS-700	-0.33421591195
13073	-122.359	37.716	2189.221	2088525.833	6023955.385	0	RS-700	0.25925371069
13074	-122.359	37.716	2151.779	2088524.071	6023957.895	0	RS-700	0.02376666667
13075	-122.359	37.716	2180.103	2088521.978	6023960.631	0	RS-700	0.20190698113
13076	-122.359	37.716	2178.999	2088520.771	6023962.719	0	RS-700	0.19496100629
13077	-122.359	37.716	2120.751	2088518.536	6023965.192	0	RS-700	-0.17137553459
13078	-122.359	37.716	2208.677	2088517.076	6023967.217	0	RS-700	0.38161320755
13079	-122.359	37.716	1939.630	2088515.760	6023969.303	0	RS-700	-1.31050150943
13080	-122.359	37.716	1913.692	2088513.753	6023971.346	0	RS-700	-1.47363295597
13081	-122.359	37.716	2026.716	2088513.403	6023972.438	0	RS-700	-0.76279264151
13082	-122.359	37.716	2183.197	2088511.808	6023973.911	0	RS-700	0.22136559748
13083	-122.359	37.716	2197.877	2088510.320	6023975.473	0	RS-700	0.31368937107
13084	-122.359	37.716	2248.706	2088509.044	6023977.357	0	RS-700	0.63337377359
13085	-122.359	37.716	2177.229	2088507.473	6023979.466	0	RS-700	0.18383119497
13086	-122.359	37.716	2265.809	2088505.754	6023981.660	0	RS-700	0.74093679245
13087	-122.359	37.716	2233.574	2088503.817	6023983.849	0	RS-700	0.53820119497
13088	-122.359	37.716	2189.225	2088501.878	6023986.096	0	RS-700	0.25927874214
13089	-122.359	37.716	2220.911	2088500.083	6023988.491	0	RS-700	0.45855987421
13090	-122.359	37.716	2232.017	2088498.288	6023990.827	0	RS-700	0.52840704403
13091	-122.359	37.716	2263.923	2088496.570	6023992.992	0	RS-700	0.72907572327
13092	-122.359	37.716	2193.235	2088494.704	6023995.240	0	RS-700	0.28449861635
13093	-122.359	37.716	2237.364	2088492.729	6023997.516	0	RS-700	0.56203666667
13094	-122.359	37.716	2202.886	2088490.825	6023999.850	0	RS-700	0.34519534591

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13095	-122.359	37.716	2261.484	2088488.992	6024002.273	0	RS-700	0.71373522013
13096	-122.359	37.716	2179.991	2088487.051	6024004.693	0	RS-700	0.20120421384
13097	-122.359	37.716	2222.237	2088485.110	6024007.027	0	RS-700	0.46690157233
13098	-122.359	37.716	2203.785	2088483.321	6024009.103	0	RS-700	0.35084735849
13099	-122.359	37.716	2229.348	2088481.640	6024011.240	0	RS-700	0.51162188679
13100	-122.359	37.716	2261.579	2088479.514	6024013.744	0	RS-700	0.71433578616
13101	-122.359	37.716	2269.041	2088477.757	6024016.052	0	RS-700	0.76126597484
13102	-122.359	37.716	2270.696	2088475.997	6024018.447	0	RS-700	0.77167025157
13103	-122.359	37.716	2255.478	2088474.607	6024020.618	0	RS-700	0.67596081761
13104	-122.359	37.716	2176.211	2088472.884	6024022.985	0	RS-700	0.17742509434
13105	-122.359	37.716	2150.874	2088471.055	6024025.264	0	RS-700	0.01807855346
13106	-122.359	37.716	2214.231	2088469.187	6024027.599	0	RS-700	0.41654886793
13107	-122.359	37.716	2134.981	2088467.464	6024030.024	0	RS-700	-0.08188283019
13108	-122.359	37.716	2245.140	2088465.594	6024032.504	0	RS-700	0.61094509434
13109	-122.359	37.716	2193.564	2088463.689	6024034.867	0	RS-700	0.28656767296
13110	-122.359	37.716	2175.101	2088461.751	6024037.114	0	RS-700	0.17044547170
13111	-122.359	37.716	2114.393	2088459.956	6024039.480	0	RS-700	-0.21136452830
13112	-122.359	37.716	2198.788	2088458.159	6024041.903	0	RS-700	0.31941823899
13113	-122.359	37.716	2071.943	2088456.473	6024044.300	0	RS-700	-0.47834685535
13114	-122.359	37.716	2138.651	2088454.496	6024046.633	0	RS-700	-0.05879716981
13115	-122.359	37.716	2122.609	2088452.666	6024048.940	0	RS-700	-0.15968987421
13116	-122.359	37.716	2118.649	2088450.800	6024051.217	0	RS-700	-0.18459534591
13117	-122.359	37.716	2041.728	2088448.971	6024053.438	0	RS-700	-0.66837528302
13118	-122.359	37.716	2038.626	2088447.181	6024055.543	0	RS-700	-0.68788830189
13119	-122.359	37.716	2061.251	2088445.575	6024057.594	0	RS-700	-0.54559144654
13120	-122.359	37.716	2085.741	2088444.271	6024059.044	0	RS-700	-0.39156660377
13121	-122.359	37.716	2048.629	2088443.302	6024060.153	0	RS-700	-0.62497201258
13122	-122.359	37.716	1977.594	2088442.722	6024061.848	0	RS-700	-1.07173427673
13123	-122.359	37.716	2084.365	2088442.799	6024063.470	0	RS-700	-0.40022044025
13124	-122.359	37.716	2054.529	2088442.762	6024063.527	0	RS-700	-0.58787044025
13125	-122.359	37.716	2038.832	2088441.365	6024062.342	0	RS-700	-0.68659150943
13126	-122.359	37.716	2028.926	2088441.156	6024061.846	0	RS-700	-0.74889433962
13127	-122.359	37.716	2068.743	2088441.371	6024062.053	0	RS-700	-0.49846987421
13128	-122.359	37.716	2028.522	2088441.251	6024062.571	0	RS-700	-0.75143622642
13129	-122.359	37.716	2020.123	2088442.948	6024063.328	0	RS-700	-0.80425654088
13130	-122.359	37.716	2092.530	2088444.843	6024063.250	0	RS-700	-0.34886735849
13131	-122.359	37.716	2096.535	2088446.241	6024062.554	0	RS-700	-0.32367754717
13132	-122.359	37.716	2146.982	2088446.611	6024062.243	0	RS-700	-0.00640427673
13133	-122.359	37.716	2104.271	2088445.641	6024063.439	0	RS-700	-0.27502754717
13134	-122.359	37.716	2016.517	2088444.892	6024064.437	0	RS-700	-0.82693842767
13135	-122.359	37.716	2039.238	2088444.518	6024064.950	0	RS-700	-0.68403886793
13136	-122.359	37.716	2035.931	2088444.817	6024064.580	0	RS-700	-0.70483628931
13137	-122.359	37.716	2177.784	2088445.790	6024063.240	0	RS-700	0.18731767296
13138	-122.359	37.716	2123.860	2088447.240	6024061.735	0	RS-700	-0.15182610063
13139	-122.359	37.716	2083.635	2088449.021	6024060.122	0	RS-700	-0.40481446541

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13140	-122.359	37.716	2136.297	2088451.097	6024058.253	0	RS-700	-0.07360446541
13141	-122.359	37.716	2046.140	2088453.215	6024056.126	0	RS-700	-0.64062968554
13142	-122.359	37.716	2187.216	2088455.188	6024053.966	0	RS-700	0.24664169811
13143	-122.359	37.716	2152.653	2088457.055	6024051.689	0	RS-700	0.02926421384
13144	-122.359	37.716	2116.292	2088458.957	6024049.412	0	RS-700	-0.19942421384
13145	-122.359	37.716	2183.898	2088460.715	6024047.075	0	RS-700	0.22577232704
13146	-122.359	37.716	2085.743	2088462.579	6024044.942	0	RS-700	-0.39155176101
13147	-122.359	37.716	2168.884	2088464.478	6024042.810	0	RS-700	0.13134314465
13148	-122.359	37.716	2118.861	2088466.413	6024040.736	0	RS-700	-0.18326477987
13149	-122.359	37.716	2098.169	2088468.350	6024038.576	0	RS-700	-0.31340477987
13150	-122.359	37.716	2124.185	2088470.213	6024036.443	0	RS-700	-0.14978188679
13151	-122.359	37.716	2104.065	2088472.079	6024034.195	0	RS-700	-0.27631911950
13152	-122.359	37.716	2244.913	2088473.946	6024031.859	0	RS-700	0.60951301887
13153	-122.359	37.716	2202.676	2088475.814	6024029.495	0	RS-700	0.34387295598
13154	-122.359	37.716	2217.127	2088477.716	6024027.276	0	RS-700	0.43476169811
13155	-122.359	37.716	2211.567	2088479.472	6024025.055	0	RS-700	0.39979144654
13156	-122.359	37.716	2167.991	2088481.191	6024022.803	0	RS-700	0.12572867925
13157	-122.359	37.716	2200.443	2088482.801	6024020.637	0	RS-700	0.32983132076
13158	-122.359	37.716	2228.042	2088484.407	6024018.614	0	RS-700	0.50340723270
13159	-122.359	37.716	2202.899	2088485.429	6024016.638	0	RS-700	0.34527471698
13160	-122.359	37.716	2107.655	2088486.088	6024014.655	0	RS-700	-0.25374276730
13161	-122.359	37.716	2188.554	2088487.220	6024012.682	0	RS-700	0.25505402516
13162	-122.359	37.716	2198.554	2088488.928	6024011.038	0	RS-700	0.31794830189
13163	-122.359	37.716	2268.032	2088490.852	6024009.513	0	RS-700	0.75492132076
13164	-122.359	37.716	2293.276	2088492.669	6024007.872	0	RS-700	0.91368320755
13165	-122.359	37.716	2247.913	2088494.014	6024006.162	0	RS-700	0.62838119497
13166	-122.359	37.716	2173.311	2088494.739	6024004.470	0	RS-700	0.15919037736
13167	-122.359	37.716	2194.450	2088494.843	6024002.939	0	RS-700	0.29213798742
13168	-122.359	37.716	2198.457	2088494.584	6024001.313	0	RS-700	0.31733867925
13169	-122.359	37.716	2238.123	2088494.726	6023999.667	0	RS-700	0.56680918239
13170	-122.359	37.716	2291.391	2088495.407	6023998.350	0	RS-700	0.90182710692
13171	-122.359	37.716	2188.900	2088496.195	6023997.179	0	RS-700	0.25723446541
13172	-122.359	37.716	2365.961	2088497.384	6023995.988	0	RS-700	1.37082578616
13173	-122.359	37.716	2311.049	2088498.816	6023995.438	0	RS-700	1.02546364780
13174	-122.359	37.716	2264.033	2088500.310	6023995.381	0	RS-700	0.72976981132
13175	-122.359	37.716	2296.075	2088501.840	6023995.353	0	RS-700	0.93128861635
13176	-122.359	37.716	2264.490	2088503.379	6023994.863	0	RS-700	0.73263842767
13177	-122.359	37.716	2137.869	2088504.530	6023993.758	0	RS-700	-0.06371635220
13178	-122.359	37.716	2119.436	2088505.951	6023991.934	0	RS-700	-0.17964559748
13179	-122.359	37.716	2130.990	2088507.488	6023989.679	0	RS-700	-0.10698364780
13180	-122.359	37.716	2187.780	2088509.245	6023987.400	0	RS-700	0.25018559748
13181	-122.359	37.716	2152.980	2088510.857	6023985.117	0	RS-700	0.03132213836
13182	-122.359	37.716	2156.329	2088512.613	6023982.895	0	RS-700	0.05238270440
13183	-122.359	37.716	2300.173	2088514.332	6023980.673	0	RS-700	0.95706528302
13184	-122.359	37.716	2273.921	2088516.050	6023978.537	0	RS-700	0.79195415094

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13185	-122.359	37.716	2125.797	2088517.803	6023976.460	0	RS-700	-0.13964283019
13186	-122.359	37.716	2161.661	2088519.519	6023974.411	0	RS-700	0.08591805031
13187	-122.359	37.716	2237.010	2088521.271	6023972.363	0	RS-700	0.55980918239
13188	-122.359	37.716	2297.716	2088523.025	6023970.257	0	RS-700	0.94161245283
13189	-122.359	37.716	2268.381	2088524.741	6023968.179	0	RS-700	0.75711295598
13190	-122.359	37.716	2224.115	2088526.349	6023966.070	0	RS-700	0.47871295598
13191	-122.359	37.716	2197.003	2088528.102	6023963.993	0	RS-700	0.30819735849
13192	-122.359	37.716	2163.212	2088529.857	6023961.800	0	RS-700	0.09567433962
13193	-122.359	37.716	2103.753	2088531.650	6023959.550	0	RS-700	-0.27828477987
13194	-122.359	37.716	2224.349	2088533.371	6023957.241	0	RS-700	0.48017930818
13195	-122.359	37.716	2202.118	2088535.092	6023954.932	0	RS-700	0.34036748428
13196	-122.359	37.716	2191.999	2088536.812	6023952.681	0	RS-700	0.27672433962
13197	-122.359	37.716	2237.452	2088538.605	6023950.460	0	RS-700	0.56259213837
13198	-122.359	37.716	2217.122	2088540.360	6023948.238	0	RS-700	0.43472779874
13199	-122.359	37.716	2180.336	2088542.116	6023946.045	0	RS-700	0.20337213837
13200	-122.359	37.716	2287.161	2088543.871	6023943.852	0	RS-700	0.87522698113
13201	-122.359	37.716	2168.212	2088545.591	6023941.601	0	RS-700	0.12711635220
13202	-122.359	37.716	2280.492	2088547.386	6023939.235	0	RS-700	0.83328522013
13203	-122.359	37.716	2140.969	2088549.035	6023936.896	0	RS-700	-0.04421748428
13204	-122.359	37.716	2292.929	2088550.793	6023934.587	0	RS-700	0.91150358491
13205	-122.359	37.716	2274.801	2088552.624	6023932.223	0	RS-700	0.79749062893
13206	-122.359	37.716	2367.963	2088554.456	6023929.829	0	RS-700	1.38341704403
13207	-122.359	37.716	2290.390	2088556.216	6023927.405	0	RS-700	0.89553566038
13208	-122.359	37.716	2301.282	2088557.975	6023925.009	0	RS-700	0.96403974843
13209	-122.359	37.716	2318.827	2088559.590	6023922.553	0	RS-700	1.07438622642
13210	-122.359	37.716	2381.848	2088561.347	6023920.303	0	RS-700	1.47074025157
13211	-122.359	37.716	2294.466	2088563.392	6023918.174	0	RS-700	0.92117270440
13212	-122.359	37.716	2297.821	2088565.332	6023915.840	0	RS-700	0.94227000000
13213	-122.359	37.716	2373.434	2088567.199	6023913.534	0	RS-700	1.41782698113
13214	-122.359	37.716	2380.607	2088569.100	6023911.315	0	RS-700	1.46293723270
13215	-122.359	37.716	2345.833	2088570.968	6023908.980	0	RS-700	1.24423031447
13216	-122.359	37.716	2226.463	2088572.652	6023906.699	0	RS-700	0.49348025157
13217	-122.359	37.716	2175.661	2088574.374	6023904.360	0	RS-700	0.17396849057
13218	-122.359	37.716	2228.230	2088576.206	6023901.938	0	RS-700	0.50459044025
13219	-122.359	37.716	2213.006	2088577.966	6023899.514	0	RS-700	0.40884333333
13220	-122.359	37.716	2099.749	2088579.872	6023897.092	0	RS-700	-0.30346402516
13221	-122.359	37.716	2183.003	2088581.847	6023894.817	0	RS-700	0.22014176101
13222	-122.359	37.716	2164.338	2088583.712	6023892.598	0	RS-700	0.10275276730
13223	-122.359	37.716	2098.943	2088585.397	6023890.288	0	RS-700	-0.30853201258
13224	-122.359	37.716	2128.496	2088587.118	6023887.950	0	RS-700	-0.12266949686
13225	-122.359	37.716	2148.302	2088588.914	6023885.584	0	RS-700	0.00190018868
13226	-122.359	37.716	2181.897	2088590.674	6023883.131	0	RS-700	0.21318735849
13227	-122.359	37.716	2178.549	2088592.471	6023880.650	0	RS-700	0.19213176101
13228	-122.359	37.716	2207.666	2088594.266	6023878.313	0	RS-700	0.37525993711
13229	-122.359	37.716	2159.987	2088596.061	6023875.947	0	RS-700	0.07538823899

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13230	-122.359	37.716	2111.492	2088597.856	6023873.582	0	RS-700	-0.22961194969
13231	-122.359	37.716	2185.561	2088599.578	6023871.244	0	RS-700	0.23623150943
13232	-122.359	37.716	2145.662	2088601.259	6023869.107	0	RS-700	-0.01470591195
13233	-122.359	37.716	2168.078	2088602.939	6023867.029	0	RS-700	0.12627427673
13234	-122.359	37.716	2143.542	2088604.287	6023865.204	0	RS-700	-0.02803842767
13235	-122.359	37.716	2218.348	2088604.690	6023863.216	0	RS-700	0.44244245283
13236	-122.359	37.716	2159.093	2088604.439	6023861.215	0	RS-700	0.06976842767
13237	-122.359	37.716	2190.453	2088604.191	6023859.040	0	RS-700	0.26700025157
13238	-122.359	37.716	2193.654	2088604.452	6023856.904	0	RS-700	0.28713471698
13239	-122.359	37.716	2198.673	2088605.433	6023855.188	0	RS-700	0.31869911950
13240	-122.359	37.716	2165.777	2088606.591	6023853.706	0	RS-700	0.11180672956
13241	-122.359	37.716	2140.776	2088608.140	6023852.754	0	RS-700	-0.04543377358
13242	-122.359	37.716	2185.686	2088609.858	6023852.441	0	RS-700	0.23701767296
13243	-122.359	37.716	2177.990	2088611.677	6023852.535	0	RS-700	0.18861867925
13244	-122.359	37.716	2050.728	2088613.657	6023851.851	0	RS-700	-0.61177050315
13245	-122.359	37.716	2040.931	2088615.181	6023850.290	0	RS-700	-0.67338704403
13246	-122.359	37.716	2039.424	2088616.821	6023848.413	0	RS-700	-0.68286918239
13247	-122.359	37.716	2028.316	2088618.646	6023846.366	0	RS-700	-0.75273257862
13248	-122.359	37.716	2038.201	2088620.290	6023844.258	0	RS-700	-0.69056113208
13249	-122.359	37.716	2097.854	2088621.792	6023842.002	0	RS-700	-0.31538522013
13250	-122.360	37.716	2149.908	2088623.432	6023840.096	0	RS-700	0.01200031447
13251	-122.360	37.716	1901.943	2088625.106	6023838.336	0	RS-700	-1.54752968553
13252	-122.360	37.716	1779.920	2088626.484	6023836.801	0	RS-700	-2.31496754717
13253	-122.360	37.716	1870.598	2088627.640	6023835.435	0	RS-700	-1.74466792453
13254	-122.360	37.716	1812.032	2088628.134	6023834.404	0	RS-700	-2.11300553459
13255	-122.360	37.716	1760.972	2088628.400	6023833.830	0	RS-700	-2.43413924528
13256	-122.360	37.716	1789.928	2088628.625	6023833.546	0	RS-700	-2.25202798742
13257	-122.360	37.716	1761.616	2088629.153	6023832.601	0	RS-700	-2.43008603774
13258	-122.360	37.716	1745.536	2088629.527	6023832.117	0	RS-700	-2.53122088050
13259	-122.360	37.716	1724.700	2088629.565	6023832.060	0	RS-700	-2.66226459119
13260	-122.360	37.716	1842.378	2088629.642	6023831.830	0	RS-700	-1.92214805031
13261	-122.360	37.716	1958.852	2088630.141	6023830.567	0	RS-700	-1.18960899371
13262	-122.360	37.716	1965.191	2088630.215	6023830.482	0	RS-700	-1.14974251572
13263	-122.360	37.716	2029.419	2088630.252	6023830.453	0	RS-700	-0.74579094340
13264	-122.360	37.716	2098.735	2088630.254	6023830.338	0	RS-700	-0.30983987421
13265	-122.360	37.716	2099.076	2088630.237	6023829.383	0	RS-700	-0.30770081761
13266	-122.360	37.716	2151.880	2088630.857	6023827.515	0	RS-700	0.02440433962
13267	-122.360	37.716	2202.562	2088632.046	6023826.323	0	RS-700	0.34315767296
13268	-122.360	37.716	2178.111	2088633.313	6023824.873	0	RS-700	0.18937880503
13269	-122.360	37.716	2127.085	2088635.135	6023823.000	0	RS-700	-0.13153893082
13270	-122.360	37.716	2243.351	2088637.068	6023821.013	0	RS-700	0.59969006289
13271	-122.360	37.716	2149.547	2088638.826	6023818.704	0	RS-700	0.00972893082
13272	-122.360	37.716	2212.451	2088640.550	6023816.251	0	RS-700	0.40534911950
13273	-122.360	37.716	2160.882	2088642.276	6023813.652	0	RS-700	0.08102050314
13274	-122.360	37.716	2205.454	2088643.964	6023811.227	0	RS-700	0.36134666667

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13275	-122.360	37.716	2249.399	2088645.723	6023808.831	0	RS-700	0.63772962264
13276	-122.360	37.716	2232.570	2088647.516	6023806.582	0	RS-700	0.53188364780
13277	-122.360	37.716	2191.679	2088649.162	6023804.358	0	RS-700	0.27470937107
13278	-122.360	37.716	2223.116	2088650.737	6023802.103	0	RS-700	0.47242918239
13279	-122.360	37.716	2236.692	2088652.313	6023799.762	0	RS-700	0.55781364780
13280	-122.360	37.716	2226.237	2088654.035	6023797.395	0	RS-700	0.49205798742
13281	-122.360	37.716	2449.118	2088656.152	6023795.326	0	RS-700	1.89382075472
13282	-122.360	37.716	2608.191	2088657.573	6023793.473	0	RS-700	2.89428018868
13283	-122.360	37.716	2724.974	2088658.762	6023792.253	0	RS-700	1.55124363636
13284	-122.360	37.716	2303.746	2088659.812	6023790.740	0	RS-700	0.31596944282
13285	-122.360	37.716	1674.514	2088661.084	6023789.059	0	RS-700	-1.52928410557
13286	-122.360	37.716	2062.633	2088662.581	6023787.035	0	RS-700	-0.39110425220
13287	-122.360	37.716	2519.774	2088663.786	6023785.062	0	RS-700	0.94948304985
13288	-122.360	37.716	2533.157	2088665.351	6023783.271	0	RS-700	0.98872953079
13289	-122.360	37.716	2284.058	2088666.963	6023780.930	0	RS-700	0.25823325513
13290	-122.360	37.716	2271.144	2088668.613	6023778.562	0	RS-700	0.22036240469
13291	-122.360	37.716	2270.723	2088670.228	6023776.077	0	RS-700	0.77184559748
13292	-122.360	37.716	2277.478	2088671.948	6023773.855	0	RS-700	0.81432937107
13293	-122.360	37.716	2214.017	2088673.775	6023771.692	0	RS-700	0.41519830189
13294	-122.360	37.716	2309.284	2088675.565	6023769.616	0	RS-700	1.01436484277
13295	-122.360	37.716	2269.037	2088677.319	6023767.481	0	RS-700	0.76124088050
13296	-122.360	37.716	2195.345	2088679.037	6023765.316	0	RS-700	0.29776779874
13297	-122.360	37.716	2296.047	2088680.756	6023763.123	0	RS-700	0.93111465409
13298	-122.360	37.716	2193.557	2088682.438	6023760.958	0	RS-700	0.28652383648
13299	-122.360	37.716	2217.019	2088684.046	6023758.820	0	RS-700	0.43408132076
13300	-122.360	37.716	2195.562	2088685.689	6023756.769	0	RS-700	0.29913119497
13301	-122.360	37.716	2147.659	2088687.478	6023754.751	0	RS-700	-0.00214289308
13302	-122.360	37.716	2145.983	2088689.016	6023752.496	0	RS-700	-0.01268446541
13303	-122.360	37.716	2163.665	2088690.731	6023750.476	0	RS-700	0.09852088050
13304	-122.360	37.716	2129.201	2088692.484	6023748.399	0	RS-700	-0.11823207547
13305	-122.360	37.716	2185.103	2088694.162	6023746.436	0	RS-700	0.23335220126
13306	-122.360	37.716	2225.132	2088695.432	6023744.841	0	RS-700	0.48510874214
13307	-122.360	37.716	2187.000	2088696.296	6023743.528	0	RS-700	0.24528106918
13308	-122.360	37.716	2167.205	2088696.606	6023742.550	0	RS-700	0.12078811321
13309	-122.360	37.716	2200.011	2088696.618	6023741.972	0	RS-700	0.32711377359
13310	-122.360	37.716	2159.099	2088696.510	6023741.883	0	RS-700	0.06980264151
13311	-122.360	37.716	2194.455	2088696.405	6023741.707	0	RS-700	0.29217188679
13312	-122.360	37.716	2106.771	2088696.406	6023741.649	0	RS-700	-0.25930339623
13313	-122.360	37.716	2166.664	2088696.229	6023741.356	0	RS-700	0.11738509434
13314	-122.360	37.716	2197.996	2088696.160	6023741.210	0	RS-700	0.31443761006
13315	-122.360	37.716	2168.882	2088696.124	6023741.152	0	RS-700	0.13133415094
13316	-122.360	37.716	2190.002	2088696.089	6023741.093	0	RS-700	0.26416459120
13317	-122.360	37.716	2121.087	2088696.090	6023741.064	0	RS-700	-0.16926591195
13318	-122.360	37.716	2172.970	2088696.090	6023741.035	0	RS-700	0.15704163522
13319	-122.360	37.716	2174.887	2088696.054	6023741.006	0	RS-700	0.16909981132

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13320	-122.360	37.716	2177.751	2088696.055	6023740.977	0	RS-700	0.18711270440
13321	-122.360	37.716	2154.210	2088696.055	6023740.948	0	RS-700	0.03905515723
13322	-122.360	37.716	2105.750	2088696.055	6023740.948	0	RS-700	-0.26572566038
13323	-122.360	37.716	2171.779	2088696.056	6023740.919	0	RS-700	0.14955503145
13324	-122.360	37.716	2130.761	2088696.057	6023740.890	0	RS-700	-0.10842238994
13325	-122.360	37.716	2274.291	2088696.057	6023740.861	0	RS-700	0.79428421384
13326	-122.360	37.716	2131.985	2088696.058	6023740.832	0	RS-700	-0.10072553459
13327	-122.360	37.716	2135.440	2088696.058	6023740.832	0	RS-700	-0.07899088050
13328	-122.360	37.716	2169.776	2088696.094	6023740.833	0	RS-700	0.13695547170
13329	-122.360	37.716	2186.775	2088696.058	6023740.803	0	RS-700	0.24386503145
13330	-122.360	37.716	2131.972	2088696.095	6023740.775	0	RS-700	-0.10080465409
13331	-122.360	37.716	2232.251	2088696.060	6023740.717	0	RS-700	0.52987861635
13332	-122.360	37.716	2184.560	2088696.061	6023740.688	0	RS-700	0.22993446541
13333	-122.360	37.716	2143.445	2088696.060	6023740.717	0	RS-700	-0.02865012579
13334	-122.360	37.716	2122.651	2088696.095	6023740.775	0	RS-700	-0.15942484277
13335	-122.360	37.716	2140.658	2088696.166	6023740.863	0	RS-700	-0.04617880503
13336	-122.360	37.716	2251.035	2088696.202	6023740.893	0	RS-700	0.64802132076
13337	-122.360	37.716	2255.257	2088696.237	6023740.952	0	RS-700	0.67457100629
13338	-122.360	37.716	2135.550	2088696.273	6023740.981	0	RS-700	-0.07830031447
13339	-122.360	37.716	2153.876	2088696.309	6023741.011	0	RS-700	0.03695874214
13340	-122.360	37.716	2225.909	2088696.344	6023741.069	0	RS-700	0.48999616352
13341	-122.360	37.716	2247.020	2088696.380	6023741.128	0	RS-700	0.62276805031
13342	-122.360	37.716	2275.471	2088696.487	6023741.246	0	RS-700	0.80170150943
13343	-122.360	37.716	2114.756	2088696.521	6023741.333	0	RS-700	-0.20908396226
13344	-122.360	37.716	2184.001	2088696.593	6023741.393	0	RS-700	0.22641905660
13345	-122.360	37.716	2101.540	2088696.592	6023741.421	0	RS-700	-0.29220257862
13346	-122.360	37.716	2219.023	2088696.628	6023741.451	0	RS-700	0.44668408805
13347	-122.360	37.716	2124.642	2088696.664	6023741.481	0	RS-700	-0.14690855346
13348	-122.360	37.716	2193.999	2088696.699	6023741.539	0	RS-700	0.28930157233
13349	-122.360	37.716	2221.904	2088696.735	6023741.598	0	RS-700	0.46480515723
13350	-122.360	37.716	2245.696	2088696.770	6023741.628	0	RS-700	0.61443968554
13351	-122.360	37.716	2139.768	2088696.806	6023741.686	0	RS-700	-0.05177572327
13352	-122.360	37.716	2176.561	2088696.618	6023741.972	0	RS-700	0.17962647799
13353	-122.360	37.716	2157.767	2088695.381	6023743.712	0	RS-700	0.06142647799
13354	-122.360	37.716	2233.480	2088693.361	6023746.420	0	RS-700	0.53760968554
13355	-122.360	37.716	2118.623	2088691.228	6023749.271	0	RS-700	-0.18476358491
13356	-122.360	37.716	2132.401	2088689.021	6023752.236	0	RS-700	-0.09810830189
13357	-122.360	37.716	2118.189	2088686.854	6023754.970	0	RS-700	-0.18748779874
13358	-122.360	37.716	2195.578	2088684.315	6023758.131	0	RS-700	0.29923050315
13359	-122.360	37.716	2207.790	2088681.848	6023761.322	0	RS-700	0.37603496855
13360	-122.360	37.716	2161.992	2088680.024	6023765.134	0	RS-700	0.08799924528
13361	-122.360	37.716	2187.779	2088677.421	6023767.830	0	RS-700	0.25018264151
13362	-122.360	37.716	2211.341	2088674.843	6023771.106	0	RS-700	0.39836893082
13363	-122.360	37.716	2257.370	2088673.000	6023775.901	0	RS-700	0.68786421384
13364	-122.360	37.716	2213.571	2088670.342	6023779.522	0	RS-700	0.05152645161



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13365	-122.360	37.716	2546.656	2088667.845	6023782.394	0	RS-700	1.02831686217
13366	-122.360	37.716	2331.064	2088665.865	6023784.901	0	RS-700	0.39608173021
13367	-122.360	37.716	1823.114	2088663.812	6023787.406	0	RS-700	-1.09350797654
13368	-122.360	37.716	2461.877	2088661.708	6023790.662	0	RS-700	0.77969900293
13369	-122.360	37.716	2488.013	2088659.284	6023793.507	0	RS-700	0.85634310850
13370	-122.360	37.716	2302.067	2088657.956	6023796.200	0	RS-700	0.96897220126
13371	-122.360	37.716	2218.238	2088658.425	6023798.264	0	RS-700	0.44174924528
13372	-122.360	37.716	2144.443	2088659.381	6023799.614	0	RS-700	-0.02237144654
13373	-122.360	37.716	2220.811	2088660.100	6023800.062	0	RS-700	0.45792830189
13374	-122.360	37.716	2210.678	2088661.731	6023800.470	0	RS-700	0.39420433962
13375	-122.360	37.716	2303.824	2088663.483	6023800.274	0	RS-700	0.98002597484
13376	-122.360	37.716	2149.877	2088663.412	6023800.214	0	RS-700	0.01180748428
13377	-122.360	37.716	2255.577	2088661.921	6023800.069	0	RS-700	0.67658459120
13378	-122.360	37.716	2173.449	2088660.312	6023800.413	0	RS-700	0.16005647799
13379	-122.360	37.716	2183.341	2088658.830	6023801.686	0	RS-700	0.22227113208
13380	-122.360	37.716	2222.791	2088657.591	6023803.570	0	RS-700	0.47038339623
13381	-122.360	37.716	2218.129	2088656.455	6023805.718	0	RS-700	0.44106113208
13382	-122.360	37.716	2246.137	2088655.284	6023807.864	0	RS-700	0.61721106918
13383	-122.360	37.716	2217.017	2088653.967	6023810.008	0	RS-700	0.43406635220
13384	-122.360	37.716	2245.237	2088652.397	6023812.031	0	RS-700	0.61155616352
13385	-122.360	37.716	2161.881	2088651.012	6023813.884	0	RS-700	0.08730389937
13386	-122.360	37.716	2184.777	2088649.633	6023815.505	0	RS-700	0.23130213837
13387	-122.360	37.716	2057.350	2088648.062	6023817.586	0	RS-700	-0.57012364780
13388	-122.360	37.716	2203.003	2088646.489	6023819.754	0	RS-700	0.34592842767
13389	-122.360	37.716	2171.001	2088644.734	6023821.917	0	RS-700	0.14465761006
13390	-122.360	37.716	2217.459	2088643.055	6023823.967	0	RS-700	0.43684855346
13391	-122.360	37.716	2198.454	2088641.302	6023826.015	0	RS-700	0.31731849057
13392	-122.360	37.716	2081.954	2088639.622	6023828.094	0	RS-700	-0.41538591195
13393	-122.360	37.716	2243.689	2088637.942	6023830.172	0	RS-700	0.60181735849
13394	-122.360	37.716	2128.401	2088636.153	6023832.249	0	RS-700	-0.12326698113
13395	-122.360	37.716	1615.254	2088634.987	6023834.106	0	RS-700	-3.35060339623
13396	-122.360	37.716	1282.395	2088633.496	6023835.812	0	RS-700	-5.44405396226
13397	-122.360	37.716	1258.260	2088631.450	6023837.970	0	RS-700	-5.59584830189
13398	-122.360	37.716	1569.256	2088630.138	6023839.854	0	RS-700	-3.63990188679
13399	-122.360	37.716	1956.804	2088629.571	6023840.913	0	RS-700	-1.20248905660
13400	-122.359	37.716	2120.650	2088627.827	6023842.527	0	RS-700	-0.17201415094
13401	-122.359	37.716	1729.531	2088626.187	6023844.433	0	RS-700	-2.63187811321
13402	-122.359	37.716	1651.671	2088624.689	6023846.486	0	RS-700	-3.12156459119
13403	-122.359	37.716	1986.611	2088623.228	6023848.540	0	RS-700	-1.01502685535
13404	-122.359	37.716	2014.719	2088621.694	6023850.593	0	RS-700	-0.83824641509
13405	-122.359	37.716	2095.290	2088620.125	6023852.558	0	RS-700	-0.33150943396
13406	-122.359	37.716	2037.728	2088618.412	6023854.491	0	RS-700	-0.69353496855
13407	-122.359	37.716	2186.451	2088617.065	6023856.258	0	RS-700	0.24183012579
13408	-122.359	37.716	2238.349	2088616.663	6023858.188	0	RS-700	0.56823452830
13409	-122.359	37.716	2224.797	2088616.112	6023860.231	0	RS-700	0.48299786164

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13410	-122.359	37.716	2263.932	2088614.765	6023862.085	0	RS-700	0.72913308176
13411	-122.359	37.716	2178.669	2088612.953	6023863.438	0	RS-700	0.19288968554
13412	-122.359	37.716	2175.320	2088611.049	6023863.979	0	RS-700	0.17182591195
13413	-122.359	37.716	2218.694	2088609.030	6023864.749	0	RS-700	0.44461666667
13414	-122.359	37.716	2116.649	2088606.891	6023866.095	0	RS-700	-0.19717635220
13415	-122.359	37.716	2202.118	2088605.252	6023867.943	0	RS-700	0.34036427673
13416	-122.359	37.716	2127.971	2088603.607	6023870.109	0	RS-700	-0.12596748428
13417	-122.359	37.716	2237.576	2088602.106	6023872.335	0	RS-700	0.56337371069
13418	-122.359	37.716	2325.061	2088600.314	6023874.528	0	RS-700	1.11359201258
13419	-122.359	37.716	2217.346	2088598.559	6023876.720	0	RS-700	0.43613534591
13420	-122.359	37.716	2238.023	2088596.802	6023878.971	0	RS-700	0.56617930818
13421	-122.359	37.716	2253.693	2088595.083	6023881.164	0	RS-700	0.66473477987
13422	-122.359	37.716	2198.781	2088593.363	6023883.445	0	RS-700	0.31937974843
13423	-122.359	37.716	2180.783	2088591.533	6023885.723	0	RS-700	0.20618477987
13424	-122.359	37.716	2054.735	2088589.814	6023887.945	0	RS-700	-0.58657150943
13425	-122.359	37.716	2108.176	2088588.021	6023890.195	0	RS-700	-0.25046333333
13426	-122.359	37.716	2183.112	2088586.302	6023892.389	0	RS-700	0.22083031447
13427	-122.359	37.716	2224.684	2088584.619	6023894.612	0	RS-700	0.48228786164
13428	-122.359	37.716	2148.869	2088583.044	6023896.866	0	RS-700	0.00546842767
13429	-122.359	37.716	2084.760	2088581.398	6023899.090	0	RS-700	-0.39773490566
13430	-122.359	37.716	2124.337	2088579.607	6023901.253	0	RS-700	-0.14882647799
13431	-122.359	37.716	1859.383	2088577.997	6023903.449	0	RS-700	-1.81519955975
13432	-122.359	37.716	2204.787	2088576.349	6023905.730	0	RS-700	0.35715345912
13433	-122.359	37.716	2199.674	2088573.996	6023908.693	0	RS-700	0.32499553459
13434	-122.359	37.716	2258.807	2088572.798	6023910.347	0	RS-700	0.69690220126
13435	-122.359	37.716	2380.113	2088570.973	6023912.393	0	RS-700	1.45983125786
13436	-122.359	37.716	2262.039	2088569.181	6023914.586	0	RS-700	0.71722698113
13437	-122.359	37.716	2258.367	2088567.463	6023916.750	0	RS-700	0.69413006289
13438	-122.359	37.716	2343.605	2088565.780	6023918.944	0	RS-700	1.23022194969
13439	-122.359	37.716	2410.099	2088564.208	6023921.083	0	RS-700	1.64842339623
13440	-122.359	37.716	2292.153	2088562.526	6023923.277	0	RS-700	0.90661968554
13441	-122.359	37.716	2323.408	2088560.839	6023925.703	0	RS-700	1.10319415094
13442	-122.359	37.716	2288.303	2088559.156	6023927.897	0	RS-700	0.88240572327
13443	-122.359	37.716	2297.159	2088557.511	6023930.034	0	RS-700	0.93810968554
13444	-122.359	37.716	2318.598	2088555.867	6023932.142	0	RS-700	1.07294415094
13445	-122.359	37.716	2230.018	2088554.332	6023934.224	0	RS-700	0.51583830189
13446	-122.359	37.716	2252.145	2088552.762	6023936.305	0	RS-700	0.65500069182
13447	-122.359	37.716	2312.857	2088551.007	6023938.439	0	RS-700	1.03683603774
13448	-122.359	37.716	2183.553	2088549.182	6023940.515	0	RS-700	0.22360327044
13449	-122.359	37.716	2163.452	2088547.389	6023942.736	0	RS-700	0.09718289308
13450	-122.359	37.716	2128.074	2088545.632	6023945.016	0	RS-700	-0.12531974843
13451	-122.359	37.716	2307.937	2088543.875	6023947.295	0	RS-700	1.00589352201
13452	-122.359	37.716	2173.560	2088542.083	6023949.545	0	RS-700	0.16075490566
13453	-122.359	37.716	2240.921	2088540.214	6023951.938	0	RS-700	0.58440672956
13454	-122.359	37.716	2207.914	2088538.564	6023954.336	0	RS-700	0.37681742138

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13455	-122.359	37.716	2109.495	2088536.659	6023956.728	0	RS-700	-0.24217207547
13456	-122.359	37.716	2118.309	2088534.682	6023959.090	0	RS-700	-0.18673345912
13457	-122.359	37.716	2181.107	2088532.742	6023961.424	0	RS-700	0.20821867925
13458	-122.359	37.716	2162.532	2088530.839	6023963.729	0	RS-700	0.09139389937
13459	-122.359	37.716	2182.548	2088528.897	6023966.121	0	RS-700	0.21728289308
13460	-122.359	37.716	2152.774	2088527.103	6023968.429	0	RS-700	0.03002465409
13461	-122.359	37.716	2243.024	2088525.307	6023970.852	0	RS-700	0.59763371069
13462	-122.359	37.716	2138.407	2088523.581	6023973.393	0	RS-700	-0.06033088050
13463	-122.359	37.716	2025.181	2088522.039	6023975.879	0	RS-700	-0.77244773585
13464	-122.359	37.716	2188.680	2088520.136	6023978.185	0	RS-700	0.25584855346
13465	-122.359	37.716	2198.887	2088518.197	6023980.432	0	RS-700	0.32004220126
13466	-122.359	37.716	2224.790	2088516.330	6023982.767	0	RS-700	0.48295301887
13467	-122.359	37.716	2219.568	2088514.572	6023985.075	0	RS-700	0.45011459120
13468	-122.359	37.716	2081.745	2088512.816	6023987.326	0	RS-700	-0.41669842767
13469	-122.359	37.716	2251.038	2088510.880	6023989.457	0	RS-700	0.64803911950
13470	-122.359	37.716	2196.117	2088509.232	6023991.739	0	RS-700	0.30262220126
13471	-122.359	37.716	2119.972	2088507.408	6023993.728	0	RS-700	-0.17627622642
13472	-122.359	37.716	2233.803	2088506.064	6023995.408	0	RS-700	0.53964459120
13473	-122.359	37.716	2185.013	2088505.664	6023997.165	0	RS-700	0.23278553459
13474	-122.359	37.716	2306.960	2088505.813	6023998.875	0	RS-700	0.99974748428
13475	-122.359	37.716	2272.710	2088506.067	6024000.760	0	RS-700	0.78434106918
13476	-122.359	37.716	2186.451	2088506.067	6024002.554	0	RS-700	0.24183138365
13477	-122.359	37.716	2255.143	2088505.523	6024004.308	0	RS-700	0.67385559748
13478	-122.359	37.716	2271.032	2088504.147	6024005.698	0	RS-700	0.77378578616
13479	-122.359	37.716	2169.979	2088502.449	6024006.851	0	RS-700	0.13823396226
13480	-122.359	37.716	2330.413	2088500.979	6024007.545	0	RS-700	1.14725025157
13481	-122.359	37.716	2224.790	2088500.355	6024007.793	0	RS-700	0.48295433962
13482	-122.359	37.716	2234.439	2088499.293	6024008.090	0	RS-700	0.54364163522
13483	-122.359	37.716	2285.589	2088497.353	6024008.543	0	RS-700	0.86534037736
13484	-122.359	37.716	2163.305	2088494.969	6024009.393	0	RS-700	0.09625647799
13485	-122.359	37.716	2214.131	2088492.969	6024011.089	0	RS-700	0.41591779874
13486	-122.359	37.716	2130.975	2088491.330	6024012.908	0	RS-700	-0.10707729560
13487	-122.359	37.716	1935.504	2088490.137	6024014.302	0	RS-700	-1.33645314465
13488	-122.359	37.716	1844.289	2088489.168	6024015.411	0	RS-700	-1.91013012579
13489	-122.359	37.716	2123.762	2088488.236	6024016.492	0	RS-700	-0.15244314465
13490	-122.359	37.716	2230.463	2088487.341	6024017.573	0	RS-700	0.51863597484
13491	-122.359	37.716	2203.787	2088486.481	6024018.685	0	RS-700	0.35085886793
13492	-122.359	37.716	2322.830	2088485.393	6024020.283	0	RS-700	1.09956257862
13493	-122.359	37.716	2222.688	2088484.041	6024022.368	0	RS-700	0.46973792453
13494	-122.359	37.716	2145.552	2088482.395	6024024.563	0	RS-700	-0.01539534591
13495	-122.359	37.716	2249.573	2088480.530	6024026.783	0	RS-700	0.63882597484
13496	-122.359	37.716	2184.780	2088478.627	6024029.088	0	RS-700	0.23132295598
13497	-122.359	37.716	2153.773	2088476.759	6024031.423	0	RS-700	0.03630849057
13498	-122.359	37.716	2170.096	2088474.965	6024033.731	0	RS-700	0.13897062893
13499	-122.359	37.716	2181.334	2088473.282	6024035.983	0	RS-700	0.20964509434

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13500	-122.359	37.716	2090.046	2088471.524	6024038.292	0	RS-700	-0.36449295598
13501	-122.359	37.716	2096.541	2088469.764	6024040.716	0	RS-700	-0.32364150943
13502	-122.359	37.716	2149.548	2088468.040	6024043.199	0	RS-700	0.00973540881
13503	-122.359	37.716	2119.181	2088466.316	6024045.624	0	RS-700	-0.18125157233
13504	-122.359	37.716	2169.231	2088464.412	6024047.987	0	RS-700	0.13353037736
13505	-122.359	37.716	2130.763	2088462.545	6024050.322	0	RS-700	-0.10840591195
13506	-122.359	37.716	2060.839	2088460.640	6024052.715	0	RS-700	-0.54818006289
13507	-122.359	37.716	2162.548	2088458.808	6024055.108	0	RS-700	0.09149867925
13508	-122.359	37.716	2078.842	2088457.120	6024057.563	0	RS-700	-0.43495679245
13509	-122.359	37.716	2128.971	2088455.362	6024059.871	0	RS-700	-0.11967742138
13510	-122.359	37.716	2072.740	2088453.575	6024061.861	0	RS-700	-0.47333345912
13511	-122.359	37.716	2061.961	2088452.232	6024063.455	0	RS-700	-0.54112779874
13512	-122.359	37.716	1996.908	2088451.111	6024064.879	0	RS-700	-0.95026245283
13513	-122.359	37.716	2070.947	2088449.513	6024066.525	0	RS-700	-0.48461094340
13514	-122.359	37.716	2118.948	2088448.277	6024068.236	0	RS-700	-0.18271540881
13515	-122.359	37.716	2049.737	2088448.093	6024070.142	0	RS-700	-0.61800635220
13516	-122.359	37.716	1973.599	2088448.289	6024071.303	0	RS-700	-1.09685987421
13517	-122.359	37.716	2073.849	2088448.184	6024071.070	0	RS-700	-0.46636075472
13518	-122.359	37.716	2041.029	2088447.506	6024070.391	0	RS-700	-0.67277471698
13519	-122.359	37.716	1957.696	2088446.322	6024069.470	0	RS-700	-1.19688094340
13520	-122.359	37.716	2020.616	2088446.286	6024069.441	0	RS-700	-0.80115974843
13521	-122.359	37.716	1979.524	2088447.325	6024070.329	0	RS-700	-1.05959628931
13522	-122.359	37.716	1950.691	2088448.322	6024071.449	0	RS-700	-1.24093440252
13523	-122.359	37.716	2032.617	2088449.980	6024072.349	0	RS-700	-0.72568012579
13524	-122.359	37.716	1993.518	2088451.821	6024073.138	0	RS-700	-0.97158371069
13525	-122.359	37.716	2088.643	2088453.915	6024074.048	0	RS-700	-0.37331729560
13526	-122.359	37.716	2038.838	2088455.597	6024075.557	0	RS-700	-0.68655496855
13527	-122.359	37.716	2062.745	2088457.095	6024077.149	0	RS-700	-0.53619320755
13528	-122.359	37.716	2074.949	2088458.561	6024078.509	0	RS-700	-0.45944062893
13529	-122.359	37.716	2059.274	2088460.095	6024080.159	0	RS-700	-0.55802452830
13530	-122.359	37.716	2036.725	2088461.754	6024080.944	0	RS-700	-0.69984509434
13531	-122.359	37.716	2053.434	2088462.979	6024081.634	0	RS-700	-0.59475308176
13532	-122.359	37.716	1978.417	2088464.023	6024082.233	0	RS-700	-1.06656232704
13533	-122.359	37.716	2032.837	2088464.311	6024082.413	0	RS-700	-0.72429792453
13534	-122.359	37.716	2035.141	2088465.213	6024082.836	0	RS-700	-0.70980610063
13535	-122.359	37.716	2065.940	2088466.330	6024083.436	0	RS-700	-0.51609767296
13536	-122.359	37.716	2081.638	2088467.336	6024084.122	0	RS-700	-0.41737163522
13537	-122.359	37.716	1973.700	2088467.803	6024084.449	0	RS-700	-1.09622635220
13538	-122.359	37.716	1997.516	2088467.515	6024084.270	0	RS-700	-0.94644207547
13539	-122.359	37.716	2024.621	2088466.004	6024083.343	0	RS-700	-0.77596767296
13540	-122.359	37.716	2026.135	2088464.392	6024081.980	0	RS-700	-0.76644880503
13541	-122.359	37.716	1962.604	2088462.752	6024080.212	0	RS-700	-1.16601566038
13542	-122.359	37.716	2083.864	2088461.228	6024078.099	0	RS-700	-0.40337345912
13543	-122.359	37.716	2011.516	2088459.927	6024075.758	0	RS-700	-0.85838930818
13544	-122.359	37.716	2025.824	2088458.369	6024073.500	0	RS-700	-0.76840415094

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13545	-122.359	37.716	2042.857	2088456.880	6024071.474	0	RS-700	-0.66127723270
13546	-122.359	37.716	2107.654	2088455.345	6024069.939	0	RS-700	-0.25374981132
13547	-122.359	37.716	2025.933	2088453.583	6024068.776	0	RS-700	-0.76771823899
13548	-122.359	37.716	2098.961	2088452.023	6024068.484	0	RS-700	-0.30842238994
13549	-122.359	37.716	2048.921	2088452.060	6024068.456	0	RS-700	-0.62313798742
13550	-122.359	37.716	2121.966	2088450.569	6024068.369	0	RS-700	-0.16373798742
13551	-122.359	37.716	2057.738	2088450.315	6024068.277	0	RS-700	-0.56768308176
13552	-122.359	37.716	2128.758	2088450.930	6024068.492	0	RS-700	-0.12102094340
13553	-122.359	37.716	2110.651	2088452.019	6024068.687	0	RS-700	-0.23489849057
13554	-122.359	37.716	2056.648	2088453.077	6024068.592	0	RS-700	-0.57454308176
13555	-122.359	37.716	2116.544	2088454.214	6024068.181	0	RS-700	-0.19783716981
13556	-122.359	37.716	2061.970	2088455.432	6024067.366	0	RS-700	-0.54106899371
13557	-122.359	37.716	2052.425	2088457.024	6024066.067	0	RS-700	-0.60110094340
13558	-122.359	37.716	2108.543	2088458.558	6024063.985	0	RS-700	-0.24815735849
13559	-122.359	37.716	2154.662	2088460.421	6024061.910	0	RS-700	0.04189716981
13560	-122.359	37.716	2165.772	2088462.320	6024059.807	0	RS-700	0.11177540881
13561	-122.359	37.716	2172.896	2088463.965	6024057.670	0	RS-700	0.15657924528
13562	-122.359	37.716	2142.870	2088465.352	6024055.672	0	RS-700	-0.03226672956
13563	-122.359	37.716	2190.099	2088466.919	6024053.765	0	RS-700	0.26477459120
13564	-122.359	37.716	2130.438	2088468.713	6024051.457	0	RS-700	-0.11045358491
13565	-122.359	37.716	2167.766	2088470.398	6024049.147	0	RS-700	0.12431314465
13566	-122.359	37.716	2219.784	2088472.082	6024046.866	0	RS-700	0.45147396226
13567	-122.359	37.716	2157.229	2088473.656	6024044.641	0	RS-700	0.05804654088
13568	-122.359	37.716	2158.877	2088475.378	6024042.303	0	RS-700	0.06841044025
13569	-122.359	37.716	2183.213	2088476.989	6024040.020	0	RS-700	0.22146735849
13570	-122.359	37.716	2094.853	2088478.674	6024037.711	0	RS-700	-0.33426044025
13571	-122.359	37.716	2163.203	2088480.431	6024035.402	0	RS-700	0.09561522013
13572	-122.359	37.716	2297.279	2088482.225	6024033.123	0	RS-700	0.93886320755
13573	-122.359	37.716	2176.776	2088484.054	6024030.874	0	RS-700	0.18098295598
13574	-122.359	37.716	2157.557	2088485.810	6024028.623	0	RS-700	0.06010610063
13575	-122.359	37.716	2262.260	2088487.495	6024026.342	0	RS-700	0.71861547170
13576	-122.359	37.716	2216.907	2088489.070	6024024.030	0	RS-700	0.43338037736
13577	-122.359	37.716	2181.664	2088490.678	6024021.921	0	RS-700	0.21172169811
13578	-122.359	37.716	2201.015	2088492.288	6024019.726	0	RS-700	0.33342647799
13579	-122.359	37.716	2184.890	2088493.896	6024017.588	0	RS-700	0.23201402516
13580	-122.359	37.716	2292.160	2088495.579	6024015.394	0	RS-700	0.90666553459
13581	-122.359	37.716	2233.245	2088497.115	6024013.225	0	RS-700	0.53613396226
13582	-122.359	37.716	2253.031	2088498.611	6024011.230	0	RS-700	0.66057025157
13583	-122.359	37.716	2228.685	2088500.138	6024009.553	0	RS-700	0.50745182390
13584	-122.359	37.716	2221.571	2088501.661	6024008.050	0	RS-700	0.46271238994
13585	-122.359	37.716	2290.046	2088503.038	6024006.573	0	RS-700	0.89337301887
13586	-122.359	37.716	2291.156	2088504.455	6024004.865	0	RS-700	0.90034968554
13587	-122.359	37.716	2274.154	2088505.843	6024002.839	0	RS-700	0.79342270440
13588	-122.359	37.716	2199.007	2088507.163	6024000.580	0	RS-700	0.32079691824
13589	-122.359	37.716	2128.547	2088508.846	6023998.328	0	RS-700	-0.12234402516

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13590	-122.359	37.716	2166.991	2088510.747	6023996.138	0	RS-700	0.11943805031
13591	-122.359	37.716	2253.493	2088512.648	6023993.948	0	RS-700	0.66347735849
13592	-122.359	37.716	2217.681	2088514.367	6023991.725	0	RS-700	0.43824427673
13593	-122.359	37.716	2151.871	2088515.938	6023989.645	0	RS-700	0.02434477987
13594	-122.359	37.716	2111.432	2088517.580	6023987.652	0	RS-700	-0.22998553459
13595	-122.359	37.716	2104.538	2088519.261	6023985.573	0	RS-700	-0.27334616352
13596	-122.359	37.716	2132.147	2088520.978	6023983.438	0	RS-700	-0.09970735849
13597	-122.359	37.716	1911.040	2088522.771	6023981.188	0	RS-700	-1.49031591195
13598	-122.359	37.716	2109.419	2088524.489	6023979.052	0	RS-700	-0.24264949686
13599	-122.359	37.716	2228.573	2088526.243	6023976.888	0	RS-700	0.50675069182
13600	-122.359	37.716	2239.910	2088528.036	6023974.667	0	RS-700	0.57805050315
13601	-122.359	37.716	2221.783	2088529.756	6023972.387	0	RS-700	0.46404150943
13602	-122.359	37.716	2213.136	2088531.328	6023970.248	0	RS-700	0.40965930818
13603	-122.359	37.716	2138.879	2088532.939	6023968.024	0	RS-700	-0.05736647799
13604	-122.359	37.716	2156.882	2088534.513	6023965.770	0	RS-700	0.05585855346
13605	-122.359	37.716	2270.925	2088536.086	6023963.573	0	RS-700	0.77311270440
13606	-122.359	37.716	2150.197	2088537.841	6023961.409	0	RS-700	0.01381515723
13607	-122.359	37.716	2273.494	2088539.669	6023959.189	0	RS-700	0.78927283019
13608	-122.359	37.716	2162.563	2088541.534	6023956.998	0	RS-700	0.09158861635
13609	-122.359	37.716	2149.200	2088543.401	6023954.692	0	RS-700	0.00754943396
13610	-122.359	37.716	2166.310	2088545.086	6023952.353	0	RS-700	0.11515805031
13611	-122.359	37.716	2093.863	2088546.844	6023950.016	0	RS-700	-0.34048251572
13612	-122.359	37.716	2175.667	2088548.531	6023947.619	0	RS-700	0.17400918239
13613	-122.359	37.716	2241.260	2088550.182	6023945.164	0	RS-700	0.58653836478
13614	-122.359	37.716	2264.239	2088551.904	6023942.826	0	RS-700	0.73106050315
13615	-122.359	37.716	2234.919	2088553.772	6023940.433	0	RS-700	0.54665855346
13616	-122.359	37.716	2321.945	2088555.713	6023938.070	0	RS-700	1.09399194969
13617	-122.359	37.716	2289.704	2088557.581	6023935.677	0	RS-700	0.89121849057
13618	-122.359	37.716	2339.946	2088559.413	6023933.283	0	RS-700	1.20721044025
13619	-122.359	37.716	2281.818	2088561.247	6023930.832	0	RS-700	0.84162031447
13620	-122.359	37.716	2284.049	2088563.044	6023928.350	0	RS-700	0.85565440252
13621	-122.359	37.716	2176.665	2088564.876	6023925.957	0	RS-700	0.18028100629
13622	-122.359	37.716	2360.662	2088566.706	6023923.650	0	RS-700	1.33749679245
13623	-122.359	37.716	2283.047	2088568.430	6023921.225	0	RS-700	0.84935176101
13624	-122.359	37.716	2311.054	2088570.193	6023918.656	0	RS-700	1.02549748428
13625	-122.359	37.716	2199.564	2088571.955	6023916.116	0	RS-700	0.32430188679
13626	-122.359	37.716	2270.466	2088573.751	6023913.693	0	RS-700	0.77022547170
13627	-122.359	37.716	2202.450	2088575.549	6023911.182	0	RS-700	0.34245000000
13628	-122.359	37.716	2169.553	2088577.492	6023908.733	0	RS-700	0.13555194969
13629	-122.359	37.716	2072.097	2088579.396	6023906.370	0	RS-700	-0.47737874214
13630	-122.359	37.716	2072.323	2088581.189	6023904.091	0	RS-700	-0.47595773585
13631	-122.359	37.716	2157.664	2088582.915	6023901.550	0	RS-700	0.06077779874
13632	-122.359	37.716	2138.546	2088584.713	6023899.040	0	RS-700	-0.05946176101
13633	-122.359	37.716	2126.973	2088586.437	6023896.586	0	RS-700	-0.13224578616
13634	-122.359	37.716	2132.656	2088588.160	6023894.161	0	RS-700	-0.09650270440

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13635	-122.359	37.716	2159.986	2088589.956	6023891.767	0	RS-700	0.07538201258
13636	-122.359	37.716	2078.528	2088591.861	6023889.375	0	RS-700	-0.43693044025
13637	-122.359	37.716	2092.648	2088593.691	6023887.068	0	RS-700	-0.34812515723
13638	-122.359	37.716	2163.883	2088595.341	6023884.670	0	RS-700	0.09989553459
13639	-122.359	37.716	2245.908	2088596.812	6023882.125	0	RS-700	0.61577213837
13640	-122.359	37.716	2116.865	2088598.536	6023879.671	0	RS-700	-0.19581522013
13641	-122.359	37.716	2204.566	2088600.400	6023877.509	0	RS-700	0.35575855346
13642	-122.359	37.716	2143.659	2088602.556	6023875.324	0	RS-700	-0.02730452830
13643	-122.359	37.716	2165.099	2088604.567	6023873.079	0	RS-700	0.10753880503
13644	-122.359	37.716	2147.875	2088606.651	6023870.864	0	RS-700	-0.00078415094
13645	-122.359	37.716	2239.921	2088608.665	6023868.473	0	RS-700	0.57811811321
13646	-122.359	37.716	2142.985	2088610.714	6023866.142	0	RS-700	-0.03154320755
13647	-122.359	37.716	2201.787	2088612.655	6023863.779	0	RS-700	0.33828427673
13648	-122.359	37.716	2167.977	2088614.595	6023861.445	0	RS-700	0.12564308176
13649	-122.359	37.716	2215.570	2088616.499	6023859.111	0	RS-700	0.42497100629
13650	-122.359	37.716	2089.860	2088618.511	6023856.807	0	RS-700	-0.36566333333
13651	-122.359	37.716	2068.753	2088620.414	6023854.531	0	RS-700	-0.49840622642
13652	-122.359	37.716	2016.728	2088622.096	6023852.365	0	RS-700	-0.82561081761
13653	-122.359	37.716	2134.442	2088623.481	6023850.484	0	RS-700	-0.08527188679
13654	-122.359	37.716	1776.818	2088623.663	6023848.665	0	RS-700	-2.33448050314
13655	-122.359	37.716	1590.400	2088624.675	6023847.180	0	RS-700	-3.50692012579
13656	-122.359	37.716	1860.681	2088625.028	6023845.943	0	RS-700	-1.80703477987
13657	-122.359	37.716	2091.537	2088625.890	6023844.687	0	RS-700	-0.35511433962
13658	-122.359	37.716	2098.172	2088627.623	6023843.623	0	RS-700	-0.31338069182
13659	-122.359	37.716	1859.666	2088629.870	6023842.365	0	RS-700	-1.81342138365
13660	-122.360	37.716	1060.164	2088632.162	6023840.646	0	RS-700	-6.84173654088
13661	-122.360	37.716	1281.586	2088634.276	6023838.721	0	RS-700	-5.44914226415
13662	-122.360	37.716	2087.740	2088636.687	6023836.512	0	RS-700	-0.37899339623
13663	-122.360	37.716	2225.670	2088638.438	6023834.551	0	RS-700	0.48849264151
13664	-122.360	37.716	2168.980	2088640.451	6023832.218	0	RS-700	0.13195188679
13665	-122.360	37.716	2143.665	2088641.340	6023829.603	0	RS-700	-0.02726628931
13666	-122.360	37.716	2185.207	2088643.172	6023827.239	0	RS-700	0.23400459120
13667	-122.360	37.716	2142.980	2088645.114	6023824.818	0	RS-700	-0.03157333333
13668	-122.360	37.716	2127.639	2088646.801	6023822.363	0	RS-700	-0.12805440252
13669	-122.360	37.716	2106.653	2088648.558	6023820.113	0	RS-700	-0.26004188679
13670	-122.360	37.716	2287.705	2088650.496	6023817.895	0	RS-700	0.87864496855
13671	-122.360	37.716	2182.521	2088652.323	6023815.732	0	RS-700	0.21711534591
13672	-122.360	37.716	2203.558	2088654.004	6023813.596	0	RS-700	0.34942006289
13673	-122.360	37.716	2201.677	2088655.686	6023811.431	0	RS-700	0.33759025157
13674	-122.360	37.716	2181.990	2088657.042	6023809.201	0	RS-700	0.21377169811
13675	-122.360	37.716	2147.979	2088658.724	6023807.036	0	RS-700	-0.00012974843
13676	-122.360	37.716	2179.123	2088660.552	6023804.844	0	RS-700	0.19574119497
13677	-122.360	37.716	2265.037	2088662.083	6023802.908	0	RS-700	0.73608276730
13678	-122.360	37.716	2209.232	2088663.129	6023801.626	0	RS-700	0.38510723270
13679	-122.360	37.716	2293.503	2088664.563	6023800.903	0	RS-700	0.91511364780

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13680	-122.360	37.716	2358.309	2088666.270	6023801.168	0	RS-700	1.32270119497
13681	-122.360	37.716	2345.407	2088667.461	6023801.713	0	RS-700	1.24155176101
13682	-122.360	37.716	2427.862	2088667.931	6023801.867	0	RS-700	1.76014012579
13683	-122.360	37.716	2407.110	2088667.123	6023800.404	0	RS-700	0.61908982405
13684	-122.360	37.716	2468.745	2088666.579	6023798.426	0	RS-700	0.79983868035
13685	-122.360	37.716	2539.293	2088666.262	6023797.899	0	RS-700	1.00672331378
13686	-122.360	37.716	2480.751	2088666.606	6023798.918	0	RS-700	0.83504665689
13687	-122.360	37.716	2435.876	2088666.902	6023800.486	0	RS-700	1.81053993711
13688	-122.360	37.716	2243.474	2088666.540	6023802.215	0	RS-700	0.60046301887
13689	-122.360	37.716	2203.118	2088665.529	6023803.641	0	RS-700	0.34665477987
13690	-122.360	37.716	2178.012	2088664.019	6023804.450	0	RS-700	0.18875446541
13691	-122.360	37.716	2155.526	2088662.978	6023805.529	0	RS-700	0.04733440252
13692	-122.360	37.716	2272.916	2088661.630	6023807.412	0	RS-700	0.78563716981
13693	-122.360	37.716	2232.126	2088660.282	6023809.236	0	RS-700	0.52909327044
13694	-122.360	37.716	2186.784	2088658.822	6023811.262	0	RS-700	0.24392578616
13695	-122.360	37.716	2227.134	2088657.099	6023813.629	0	RS-700	0.49769666667
13696	-122.360	37.716	2231.460	2088655.379	6023815.909	0	RS-700	0.52490559748
13697	-122.360	37.716	2176.003	2088653.766	6023818.249	0	RS-700	0.17611698113
13698	-122.360	37.716	2163.879	2088652.082	6023820.530	0	RS-700	0.09987012579
13699	-122.360	37.716	2214.000	2088650.433	6023822.870	0	RS-700	0.41509207547
13700	-122.360	37.716	2233.242	2088647.934	6023825.829	0	RS-700	0.53611132076
13701	-122.360	37.716	2169.557	2088646.177	6023828.137	0	RS-700	0.13558119497
13702	-122.360	37.716	2308.288	2088645.386	6023829.452	0	RS-700	1.00809792453
13703	-122.360	37.716	2210.558	2088643.592	6023831.731	0	RS-700	0.39344471698
13704	-122.360	37.716	2111.968	2088641.946	6023833.955	0	RS-700	-0.22661371069
13705	-122.360	37.716	2127.761	2088640.373	6023836.122	0	RS-700	-0.12728779874
13706	-122.360	37.716	1341.617	2088638.552	6023837.967	0	RS-700	-5.07158899371
13707	-122.360	37.716	965.249	2088637.017	6023840.077	0	RS-700	-7.43868710692
13708	-122.360	37.716	1299.335	2088635.601	6023841.698	0	RS-700	-5.33751685535
13709	-122.359	37.716	1994.119	2088634.474	6023843.411	0	RS-700	-0.96780257862
13710	-122.359	37.716	2151.418	2088632.725	6023845.315	0	RS-700	0.02149899371
13711	-122.359	37.716	2190.562	2088632.248	6023845.450	0	RS-700	0.26768805031
13712	-122.359	37.716	2185.573	2088631.698	6023845.671	0	RS-700	0.23630716981
13713	-122.359	37.716	2171.669	2088632.100	6023845.592	0	RS-700	0.14885930818
13714	-122.359	37.716	2155.335	2088633.663	6023845.739	0	RS-700	0.04613402516
13715	-122.359	37.716	2175.099	2088634.854	6023846.283	0	RS-700	0.17043383648
13716	-122.359	37.716	2115.376	2088634.529	6023846.161	0	RS-700	-0.20518283019
13717	-122.359	37.716	2122.650	2088633.371	6023845.762	0	RS-700	-0.15943528302
13718	-122.359	37.716	2182.547	2088632.391	6023845.627	0	RS-700	0.21727477987
13719	-122.359	37.716	2124.863	2088631.638	6023845.033	0	RS-700	-0.14551767296
13720	-122.359	37.716	2067.354	2088630.378	6023844.256	0	RS-700	-0.50720471698
13721	-122.359	37.716	2122.552	2088628.999	6023844.026	0	RS-700	-0.16004918239
13722	-122.359	37.716	2052.249	2088627.942	6023844.063	0	RS-700	-0.60220698113
13723	-122.359	37.716	2162.229	2088628.203	6023843.779	0	RS-700	0.08948792453
13724	-122.359	37.716	1963.709	2088629.069	6023842.349	0	RS-700	-1.15906522013



**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13725	-122.360	37.716	2041.730	2088629.296	6023841.920	0	RS-700	-0.66836566038
13726	-122.359	37.716	2166.100	2088628.617	6023843.093	0	RS-700	0.11383849057
13727	-122.359	37.716	2076.263	2088627.685	6023844.173	0	RS-700	-0.45117660377
13728	-122.359	37.716	1722.446	2088626.427	6023845.161	0	RS-700	-2.67643798742
13729	-122.359	37.716	1661.596	2088624.977	6023846.666	0	RS-700	-3.05914201258
13730	-122.359	37.716	2098.641	2088623.702	6023848.521	0	RS-700	-0.31043345912
13731	-122.359	37.716	2084.747	2088622.860	6023850.558	0	RS-700	-0.39781886793
13732	-122.359	37.716	2128.977	2088621.256	6023852.465	0	RS-700	-0.11963874214
13733	-122.359	37.716	2085.431	2088621.072	6023854.428	0	RS-700	-0.39351622642
13734	-122.359	37.716	2111.258	2088619.944	6023856.199	0	RS-700	-0.23107930818
13735	-122.359	37.716	2232.348	2088618.663	6023858.315	0	RS-700	0.53048918239
13736	-122.359	37.716	2187.658	2088617.198	6023860.600	0	RS-700	0.24941930818
13737	-122.359	37.716	2258.920	2088615.622	6023862.912	0	RS-700	0.69760899371
13738	-122.359	37.716	2168.331	2088614.051	6023865.022	0	RS-700	0.12786723270
13739	-122.359	37.716	2157.983	2088612.811	6023866.907	0	RS-700	0.06278327044
13740	-122.359	37.716	2171.676	2088611.240	6023869.016	0	RS-700	0.14890295598
13741	-122.359	37.716	2255.031	2088609.517	6023871.412	0	RS-700	0.67315383648
13742	-122.359	37.716	2196.675	2088607.272	6023874.434	0	RS-700	0.30613314465
13743	-122.359	37.716	2119.864	2088605.440	6023876.828	0	RS-700	-0.17695779874
13744	-122.359	37.716	2139.335	2088604.165	6023878.654	0	RS-700	-0.05449553459
13745	-122.359	37.716	2237.562	2088602.480	6023880.993	0	RS-700	0.56328150943
13746	-122.359	37.716	2224.796	2088600.764	6023883.042	0	RS-700	0.48299628931
13747	-122.359	37.716	2200.751	2088598.157	6023885.941	0	RS-700	0.33176880503
13748	-122.359	37.716	2102.595	2088596.403	6023888.076	0	RS-700	-0.28556861635
13749	-122.359	37.716	2159.660	2088594.910	6023889.898	0	RS-700	0.07333232704
13750	-122.359	37.716	2088.542	2088593.267	6023891.948	0	RS-700	-0.37395176101
13751	-122.359	37.716	2159.770	2088591.582	6023894.229	0	RS-700	0.07402748428
13752	-122.359	37.716	2159.883	2088589.340	6023897.136	0	RS-700	0.07473289308
13753	-122.359	37.716	2214.129	2088587.579	6023899.618	0	RS-700	0.41590522013
13754	-122.359	37.716	2163.880	2088586.299	6023901.675	0	RS-700	0.09987421384
13755	-122.359	37.716	2232.694	2088584.391	6023904.270	0	RS-700	0.53266937107
13756	-122.359	37.716	2232.687	2088582.594	6023906.694	0	RS-700	0.53262358491
13757	-122.359	37.716	2177.324	2088580.800	6023909.030	0	RS-700	0.18442798742
13758	-122.359	37.716	2270.266	2088579.078	6023911.368	0	RS-700	0.76896729560
13759	-122.359	37.716	2205.899	2088577.284	6023913.676	0	RS-700	0.36414597484
13760	-122.359	37.716	2260.131	2088575.346	6023915.894	0	RS-700	0.70522767296
13761	-122.359	37.716	2294.150	2088573.586	6023918.318	0	RS-700	0.91918459120
13762	-122.359	37.716	2275.380	2088571.791	6023920.713	0	RS-700	0.80113000000
13763	-122.359	37.716	2355.967	2088569.996	6023923.049	0	RS-700	1.30796798742
13764	-122.359	37.716	2259.260	2088568.237	6023925.445	0	RS-700	0.69974993711
13765	-122.359	37.716	2305.272	2088565.920	6023928.407	0	RS-700	0.98913270440
13766	-122.359	37.716	2272.938	2088564.125	6023930.744	0	RS-700	0.78577490566
13767	-122.359	37.716	2214.770	2088562.887	6023932.600	0	RS-700	0.41993547170
13768	-122.359	37.716	2313.944	2088561.019	6023934.964	0	RS-700	1.04367138365
13769	-122.359	37.716	2276.471	2088559.262	6023937.244	0	RS-700	0.80799666667

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13770	-122.359	37.716	2227.244	2088557.469	6023939.494	0	RS-700	0.49839012579
13771	-122.359	37.716	2289.704	2088555.525	6023942.030	0	RS-700	0.89122251572
13772	-122.359	37.716	2165.660	2088553.657	6023944.394	0	RS-700	0.11106672956
13773	-122.359	37.716	2243.915	2088551.754	6023946.700	0	RS-700	0.60323886793
13774	-122.359	37.716	2121.493	2088549.739	6023949.119	0	RS-700	-0.16670911950
13775	-122.359	37.716	2200.894	2088547.350	6023952.051	0	RS-700	0.33266616352
13776	-122.359	37.716	2244.702	2088545.927	6023954.019	0	RS-700	0.60818622642
13777	-122.359	37.716	2134.189	2088544.020	6023956.498	0	RS-700	-0.08685918239
13778	-122.359	37.716	2200.785	2088542.114	6023958.977	0	RS-700	0.33198031447
13779	-122.359	37.716	2173.996	2088540.281	6023961.429	0	RS-700	0.16349559748
13780	-122.359	37.716	2213.901	2088538.339	6023963.820	0	RS-700	0.41446899371
13781	-122.359	37.716	2158.448	2088536.288	6023966.239	0	RS-700	0.06571138365
13782	-122.359	37.716	2226.138	2088534.384	6023968.573	0	RS-700	0.49143603774
13783	-122.359	37.716	2206.108	2088532.553	6023970.938	0	RS-700	0.36545855346
13784	-122.359	37.716	2107.963	2088530.686	6023973.273	0	RS-700	-0.25180723270
13785	-122.359	37.716	2139.982	2088528.927	6023975.611	0	RS-700	-0.05042484277
13786	-122.359	37.716	2078.837	2088527.022	6023978.003	0	RS-700	-0.43499018868
13787	-122.359	37.716	1997.619	2088525.193	6023980.252	0	RS-700	-0.94579358491
13788	-122.359	37.716	2119.330	2088523.591	6023982.072	0	RS-700	-0.18031163522
13789	-122.359	37.716	2201.340	2088521.442	6023983.910	0	RS-700	0.33547295598
13790	-122.359	37.716	2180.677	2088519.506	6023986.041	0	RS-700	0.20551339623
13791	-122.359	37.716	2167.317	2088517.442	6023989.125	0	RS-700	0.12149031447
13792	-122.359	37.716	2146.768	2088516.207	6023990.778	0	RS-700	-0.00774622642
13793	-122.359	37.716	2211.788	2088514.743	6023993.006	0	RS-700	0.40118207547
13794	-122.359	37.716	2229.572	2088513.311	6023995.407	0	RS-700	0.51302937107
13795	-122.359	37.716	2179.894	2088511.657	6023997.978	0	RS-700	0.20059371069
13796	-122.359	37.716	2252.577	2088510.196	6024000.061	0	RS-700	0.65771905660
13797	-122.359	37.716	2306.809	2088508.512	6024002.313	0	RS-700	0.99880125786
13798	-122.359	37.716	2127.962	2088506.831	6024004.450	0	RS-700	-0.12602792453
13799	-122.359	37.716	2214.682	2088504.965	6024006.698	0	RS-700	0.41938113208
13800	-122.359	37.716	2256.256	2088503.063	6024008.946	0	RS-700	0.68085465409
13801	-122.359	37.716	2309.827	2088501.122	6024011.338	0	RS-700	1.01778106918
13802	-122.359	37.716	2300.700	2088499.179	6024013.787	0	RS-700	0.96038025157
13803	-122.359	37.716	2160.667	2088497.310	6024016.238	0	RS-700	0.07966358491
13804	-122.359	37.716	2195.549	2088495.478	6024018.603	0	RS-700	0.29905150943
13805	-122.359	37.716	2227.353	2088493.538	6024020.937	0	RS-700	0.49907314465
13806	-122.359	37.716	2216.246	2088491.488	6024023.326	0	RS-700	0.42921836478
13807	-122.359	37.716	2166.337	2088489.474	6024025.716	0	RS-700	0.11532490566
13808	-122.359	37.716	2186.663	2088487.459	6024028.135	0	RS-700	0.24316509434
13809	-122.359	37.716	2162.667	2088485.478	6024030.700	0	RS-700	0.09224358491
13810	-122.359	37.716	2184.777	2088483.536	6024033.120	0	RS-700	0.23130213837
13811	-122.359	37.716	2137.758	2088481.667	6024035.513	0	RS-700	-0.06441396226
13812	-122.359	37.716	2133.669	2088479.798	6024037.935	0	RS-700	-0.09013056604
13813	-122.359	37.716	2185.345	2088478.040	6024040.273	0	RS-700	0.23487496855
13814	-122.359	37.716	2123.957	2088476.247	6024042.523	0	RS-700	-0.15121559748

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13815	-122.359	37.716	2148.662	2088474.452	6024044.888	0	RS-700	0.00416295597
13816	-122.359	37.716	2099.751	2088472.620	6024047.282	0	RS-700	-0.30345522013
13817	-122.359	37.716	2135.877	2088470.786	6024049.763	0	RS-700	-0.07624553459
13818	-122.359	37.716	2118.964	2088468.915	6024052.300	0	RS-700	-0.18261490566
13819	-122.359	37.716	2130.439	2088467.154	6024054.782	0	RS-700	-0.11044742138
13820	-122.359	37.716	2088.077	2088465.396	6024057.120	0	RS-700	-0.37687553459
13821	-122.359	37.716	2075.420	2088463.567	6024059.369	0	RS-700	-0.45647503145
13822	-122.359	37.716	2077.638	2088461.629	6024061.558	0	RS-700	-0.44252987421
13823	-122.359	37.716	2071.637	2088459.804	6024063.605	0	RS-700	-0.48027358491
13824	-122.359	37.716	1980.609	2088458.133	6024065.221	0	RS-700	-1.05277433962
13825	-122.359	37.716	2047.324	2088457.381	6024066.421	0	RS-700	-0.63318050315
13826	-122.359	37.716	2000.419	2088457.022	6024067.976	0	RS-700	-0.92818245283
13827	-122.359	37.716	2072.675	2088457.456	6024070.010	0	RS-700	-0.47374471698
13828	-122.359	37.716	2039.729	2088458.807	6024071.657	0	RS-700	-0.68095050315
13829	-122.359	37.716	2116.548	2088460.614	6024072.358	0	RS-700	-0.19781201258
13830	-122.359	37.716	2080.047	2088461.925	6024072.355	0	RS-700	-0.42737742138
13831	-122.359	37.716	1960.108	2088460.971	6024072.712	0	RS-700	-1.18171201258
13832	-122.359	37.716	2161.988	2088459.496	6024073.638	0	RS-700	0.08797622642
13833	-122.359	37.716	2110.180	2088458.419	6024074.658	0	RS-700	-0.23785949686
13834	-122.359	37.716	1992.714	2088458.271	6024074.771	0	RS-700	-0.97664408805
13835	-122.359	37.716	2031.422	2088457.524	6024073.917	0	RS-700	-0.73319792453
13836	-122.359	37.716	2087.328	2088459.569	6024073.639	0	RS-700	-0.38158295598
13837	-122.359	37.716	2043.040	2088460.240	6024072.814	0	RS-700	-0.66012270440
13838	-122.359	37.716	2126.868	2088460.765	6024072.072	0	RS-700	-0.13290289308
13839	-122.359	37.716	2078.947	2088462.186	6024070.220	0	RS-700	-0.43429691824
13840	-122.359	37.716	2110.183	2088463.757	6024068.139	0	RS-700	-0.23784496855
13841	-122.359	37.716	2143.682	2088465.584	6024066.005	0	RS-700	-0.02715654088
13842	-122.359	37.716	2148.548	2088467.377	6024063.726	0	RS-700	0.00344748428
13843	-122.359	37.716	2134.559	2088469.024	6024061.474	0	RS-700	-0.08453352201
13844	-122.359	37.716	2148.766	2088470.853	6024059.253	0	RS-700	0.00481949686
13845	-122.359	37.716	2139.557	2088472.683	6024056.946	0	RS-700	-0.05309968553
13846	-122.359	37.716	2175.669	2088474.549	6024054.669	0	RS-700	0.17401786164
13847	-122.359	37.716	2153.106	2088476.234	6024052.359	0	RS-700	0.03211069182
13848	-122.359	37.716	2143.763	2088478.026	6024050.138	0	RS-700	-0.02664641509
13849	-122.359	37.716	2133.181	2088479.820	6024047.830	0	RS-700	-0.09320327044
13850	-122.359	37.716	2134.074	2088481.576	6024045.608	0	RS-700	-0.08758232704
13851	-122.359	37.716	2173.669	2088483.333	6024043.329	0	RS-700	0.16144088050
13852	-122.359	37.716	2150.552	2088485.237	6024040.994	0	RS-700	0.01605220126
13853	-122.359	37.716	2210.343	2088487.104	6024038.688	0	RS-700	0.39209226415
13854	-122.359	37.716	2260.920	2088488.970	6024036.411	0	RS-700	0.71018924528
13855	-122.359	37.716	2261.703	2088490.837	6024034.104	0	RS-700	0.71511415094
13856	-122.359	37.716	2217.233	2088492.593	6024031.854	0	RS-700	0.43543069182
13857	-122.359	37.716	2210.565	2088494.386	6024029.604	0	RS-700	0.39348773585
13858	-122.359	37.716	2291.394	2088496.179	6024027.325	0	RS-700	0.90185088050
13859	-122.359	37.716	2244.919	2088498.119	6024025.020	0	RS-700	0.60955270440

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13860	-122.359	37.716	2258.251	2088500.094	6024022.745	0	RS-700	0.69340509434
13861	-122.359	37.716	2212.898	2088501.926	6024020.380	0	RS-700	0.40816050315
13862	-122.359	37.716	2233.247	2088503.721	6024018.014	0	RS-700	0.53614610063
13863	-122.359	37.716	2172.107	2088505.406	6024015.676	0	RS-700	0.15161641509
13864	-122.359	37.716	2307.826	2088507.127	6024013.395	0	RS-700	1.00519509434
13865	-122.359	37.716	2273.699	2088509.102	6024011.120	0	RS-700	0.79056025157
13866	-122.359	37.716	2203.568	2088510.932	6024008.813	0	RS-700	0.34948270440
13867	-122.359	37.716	2195.683	2088512.688	6024006.591	0	RS-700	0.29989088050
13868	-122.359	37.716	2186.108	2088514.554	6024004.314	0	RS-700	0.23967301887
13869	-122.359	37.716	2125.306	2088516.349	6024001.977	0	RS-700	-0.14272679245
13870	-122.359	37.716	2149.876	2088518.291	6023999.557	0	RS-700	0.01179842767
13871	-122.359	37.716	2184.553	2088520.122	6023997.192	0	RS-700	0.22989295598
13872	-122.359	37.716	2234.690	2088521.879	6023994.912	0	RS-700	0.54522163522
13873	-122.359	37.716	2255.030	2088523.562	6023992.689	0	RS-700	0.67314528302
13874	-122.359	37.716	2193.111	2088525.355	6023990.468	0	RS-700	0.28372006289
13875	-122.359	37.716	2209.678	2088527.111	6023988.217	0	RS-700	0.38790880503
13876	-122.359	37.716	2030.395	2088528.683	6023986.079	0	RS-700	-0.73965402516
13877	-122.359	37.716	2014.619	2088530.508	6023984.032	0	RS-700	-0.83887251572
13878	-122.359	37.716	2242.028	2088532.335	6023981.928	0	RS-700	0.59137169811
13879	-122.359	37.716	2137.551	2088534.089	6023979.764	0	RS-700	-0.06571654088
13880	-122.359	37.716	2225.267	2088535.957	6023977.428	0	RS-700	0.48595886793
13881	-122.359	37.716	2132.510	2088537.825	6023975.035	0	RS-700	-0.09742440252
13882	-122.359	37.716	2133.763	2088539.765	6023972.730	0	RS-700	-0.08954163522
13883	-122.359	37.716	2251.037	2088541.631	6023970.424	0	RS-700	0.64803012579
13884	-122.359	37.716	2244.138	2088543.500	6023968.031	0	RS-700	0.60464138365
13885	-122.359	37.716	2217.672	2088545.368	6023965.667	0	RS-700	0.43818710692
13886	-122.359	37.716	2215.794	2088547.382	6023963.248	0	RS-700	0.42637886793
13887	-122.359	37.716	2180.561	2088549.472	6023960.715	0	RS-700	0.20478471698
13888	-122.359	37.716	2148.770	2088551.525	6023958.238	0	RS-700	0.00484069182
13889	-122.359	37.716	2141.200	2088553.502	6023955.847	0	RS-700	-0.04277044025
13890	-122.359	37.716	2156.015	2088555.443	6023953.485	0	RS-700	0.05040754717
13891	-122.359	37.716	2128.182	2088557.274	6023951.120	0	RS-700	-0.12463968554
13892	-122.359	37.716	2123.545	2088559.069	6023948.783	0	RS-700	-0.15380295598
13893	-122.359	37.716	2135.872	2088560.899	6023946.476	0	RS-700	-0.07627490566
13894	-122.359	37.716	2277.384	2088562.806	6023943.997	0	RS-700	0.81373308176
13895	-122.359	37.716	2288.015	2088564.638	6023941.603	0	RS-700	0.88059968554
13896	-122.359	37.716	2370.738	2088566.359	6023939.323	0	RS-700	1.40087000000
13897	-122.359	37.716	2275.933	2088568.116	6023937.015	0	RS-700	0.80461037736
13898	-122.359	37.716	2279.924	2088569.873	6023934.764	0	RS-700	0.82971264151
13899	-122.359	37.716	2366.722	2088571.558	6023932.425	0	RS-700	1.37561182390
13900	-122.359	37.716	2278.925	2088573.242	6023930.173	0	RS-700	0.82342496855
13901	-122.359	37.716	2240.470	2088574.890	6023927.862	0	RS-700	0.58157119497
13902	-122.359	37.716	2313.942	2088576.648	6023925.525	0	RS-700	1.04365905660
13903	-122.359	37.716	2230.358	2088578.586	6023923.307	0	RS-700	0.51797289308
13904	-122.359	37.716	2291.707	2088580.632	6023921.149	0	RS-700	0.90381968554

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13905	-122.359	37.716	2299.166	2088582.606	6023918.931	0	RS-700	0.95072830189
13906	-122.359	37.716	2181.097	2088584.544	6023916.713	0	RS-700	0.20815672956
13907	-122.359	37.716	2248.585	2088586.481	6023914.524	0	RS-700	0.63260905660
13908	-122.359	37.716	2206.013	2088588.346	6023912.305	0	RS-700	0.36486421384
13909	-122.359	37.716	2149.766	2088590.178	6023909.940	0	RS-700	0.01110905660
13910	-122.359	37.716	2143.446	2088591.936	6023907.602	0	RS-700	-0.02863849057
13911	-122.359	37.716	2158.225	2088593.802	6023905.354	0	RS-700	0.06430893082
13912	-122.359	37.716	2084.546	2088595.597	6023902.988	0	RS-700	-0.39908446541
13913	-122.359	37.716	2111.071	2088597.534	6023900.770	0	RS-700	-0.23225874214
13914	-122.359	37.716	2158.543	2088599.723	6023898.760	0	RS-700	0.06630798742
13915	-122.359	37.716	2119.543	2088601.736	6023896.427	0	RS-700	-0.17897591195
13916	-122.359	37.716	2180.992	2088603.461	6023893.945	0	RS-700	0.20749786164
13917	-122.359	37.716	2104.275	2088605.221	6023891.492	0	RS-700	-0.27499842767
13918	-122.359	37.716	2153.448	2088607.195	6023889.274	0	RS-700	0.03426635220
13919	-122.359	37.716	2174.886	2088609.135	6023886.969	0	RS-700	0.16909723270
13920	-122.359	37.716	2158.451	2088611.002	6023884.663	0	RS-700	0.06573163522
13921	-122.359	37.716	2139.334	2088612.831	6023882.414	0	RS-700	-0.05450100629
13922	-122.359	37.716	2216.563	2088614.626	6023880.048	0	RS-700	0.43121276730
13923	-122.359	37.716	2111.886	2088616.422	6023877.654	0	RS-700	-0.22713056604
13924	-122.359	37.716	2094.359	2088618.327	6023875.233	0	RS-700	-0.33736628931
13925	-122.359	37.716	2137.442	2088620.270	6023872.783	0	RS-700	-0.06639962264
13926	-122.359	37.716	2188.912	2088622.138	6023870.419	0	RS-700	0.25730981132
13927	-122.359	37.716	2161.882	2088624.079	6023868.027	0	RS-700	0.08730811321
13928	-122.359	37.716	2238.135	2088625.874	6023865.691	0	RS-700	0.56688383648
13929	-122.359	37.716	2133.301	2088627.738	6023863.500	0	RS-700	-0.09244842767
13930	-122.359	37.716	2108.175	2088629.604	6023861.223	0	RS-700	-0.25047163522
13931	-122.359	37.716	2177.234	2088631.434	6023858.945	0	RS-700	0.18386383648
13932	-122.359	37.716	2072.845	2088633.367	6023856.958	0	RS-700	-0.47267515723
13933	-122.359	37.716	2179.892	2088635.150	6023855.200	0	RS-700	0.20058169811
13934	-122.359	37.716	2213.792	2088636.602	6023853.637	0	RS-700	0.41378893082
13935	-122.359	37.716	2082.161	2088637.500	6023852.440	0	RS-700	-0.41408213837
13936	-122.359	37.716	2114.546	2088638.098	6023851.642	0	RS-700	-0.21040226415
13937	-122.359	37.716	2189.674	2088638.360	6023851.300	0	RS-700	0.26210188679
13938	-122.359	37.716	2257.373	2088638.396	6023851.301	0	RS-700	0.68787849057
13939	-122.359	37.716	2191.097	2088638.508	6023851.187	0	RS-700	0.27105257862
13940	-122.359	37.716	2188.441	2088639.032	6023850.445	0	RS-700	0.25434572327
13941	-122.359	37.716	2169.776	2088639.220	6023850.160	0	RS-700	0.13695805031
13942	-122.359	37.716	2124.182	2088639.181	6023850.275	0	RS-700	-0.14980100629
13943	-122.359	37.716	2165.666	2088639.108	6023850.302	0	RS-700	0.11110754717
13944	-122.359	37.716	2145.196	2088639.070	6023850.388	0	RS-700	-0.01763603774
13945	-122.359	37.716	2199.676	2088639.296	6023850.017	0	RS-700	0.32500597484
13946	-122.359	37.716	2191.786	2088639.295	6023850.075	0	RS-700	0.27538283019
13947	-122.359	37.716	2112.157	2088639.559	6023849.617	0	RS-700	-0.22543006289
13948	-122.359	37.716	1927.398	2088639.596	6023849.589	0	RS-700	-1.38743402516
13949	-122.359	37.716	1932.401	2088639.969	6023849.104	0	RS-700	-1.35597132075

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13950	-122.359	37.716	1872.048	2088640.231	6023848.762	0	RS-700	-1.73554798742
13951	-122.359	37.716	1730.447	2088640.942	6023847.822	0	RS-700	-2.62612169811
13952	-122.359	37.716	1409.433	2088641.841	6023846.567	0	RS-700	-4.64507270440
13953	-122.359	37.716	1492.235	2088642.703	6023845.340	0	RS-700	-4.12430622642
13954	-122.359	37.716	1449.295	2088643.604	6023843.969	0	RS-700	-4.39437289308
13955	-122.359	37.716	1927.880	2088645.054	6023842.465	0	RS-700	-1.38440113208
13956	-122.360	37.716	2167.993	2088646.625	6023840.384	0	RS-700	0.12574509434
13957	-122.360	37.716	2114.759	2088647.985	6023837.952	0	RS-700	-0.20906125786
13958	-122.360	37.716	2213.681	2088649.486	6023835.725	0	RS-700	0.41308547170
13959	-122.360	37.716	2169.348	2088650.726	6023833.782	0	RS-700	0.13426578616
13960	-122.360	37.716	2206.567	2088652.257	6023831.874	0	RS-700	0.36834647799
13961	-122.360	37.716	2103.641	2088653.833	6023829.562	0	RS-700	-0.27898779874
13962	-122.360	37.716	2139.762	2088655.626	6023827.312	0	RS-700	-0.05181207547
13963	-122.360	37.716	2074.946	2088657.454	6023825.121	0	RS-700	-0.45946226415
13964	-122.360	37.716	2174.775	2088659.356	6023822.873	0	RS-700	0.16839905660
13965	-122.360	37.716	2135.192	2088661.185	6023820.624	0	RS-700	-0.08055647799
13966	-122.360	37.716	2182.107	2088662.979	6023818.316	0	RS-700	0.21450666667
13967	-122.360	37.716	2134.556	2088664.626	6023816.093	0	RS-700	-0.08455635220
13968	-122.360	37.716	2155.093	2088666.343	6023813.986	0	RS-700	0.04461295597
13969	-122.360	37.716	2080.844	2088668.060	6023811.879	0	RS-700	-0.42236396226
13970	-122.360	37.716	2112.064	2088669.074	6023810.337	0	RS-700	-0.22601314465
13971	-122.360	37.716	2097.750	2088670.404	6023809.380	0	RS-700	-0.31603773585
13972	-122.360	37.716	2150.193	2088672.411	6023809.188	0	RS-700	0.01379081761
13973	-122.360	37.716	2228.023	2088674.110	6023809.830	0	RS-700	0.50328761006
13974	-122.360	37.716	2211.570	2088674.750	6023810.594	0	RS-700	0.39981415094
13975	-122.360	37.716	2222.473	2088674.821	6023810.683	0	RS-700	0.46838088050
13976	-122.360	37.716	2202.791	2088674.729	6023809.842	0	RS-700	0.34460031447
13977	-122.360	37.716	2120.652	2088674.795	6023810.190	0	RS-700	-0.17199886793
13978	-122.360	37.716	2220.791	2088674.642	6023808.683	0	RS-700	0.45780270440
13979	-122.360	37.716	2193.109	2088674.648	6023808.423	0	RS-700	0.28370377359
13980	-122.360	37.716	2231.908	2088674.912	6023809.788	0	RS-700	0.52772283019
13981	-122.360	37.716	2218.910	2088674.879	6023811.436	0	RS-700	0.44597710692
13982	-122.360	37.716	2264.804	2088674.123	6023812.839	0	RS-700	0.73461817610
13983	-122.360	37.716	2157.656	2088673.302	6023813.835	0	RS-700	0.06073031447
13984	-122.360	37.716	2201.332	2088672.443	6023814.888	0	RS-700	0.33542245283
13985	-122.360	37.716	2180.241	2088671.317	6023816.573	0	RS-700	0.20277371069
13986	-122.360	37.716	2235.903	2088669.970	6023818.398	0	RS-700	0.55285144654
13987	-122.360	37.716	2130.333	2088668.441	6023820.190	0	RS-700	-0.11111484277
13988	-122.360	37.716	2111.756	2088666.696	6023821.891	0	RS-700	-0.22795088050
13989	-122.360	37.716	2156.456	2088664.948	6023823.679	0	RS-700	0.05318119497
13990	-122.360	37.716	2109.649	2088663.198	6023825.640	0	RS-700	-0.24120308176
13991	-122.360	37.716	2032.725	2088661.409	6023827.688	0	RS-700	-0.72500232704
13992	-122.360	37.716	2028.509	2088659.763	6023829.883	0	RS-700	-0.75151364780
13993	-122.360	37.716	2089.326	2088657.405	6023833.047	0	RS-700	-0.36902188679
13994	-122.360	37.716	2232.796	2088656.543	6023834.274	0	RS-700	0.53331088050

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
13995	-122.360	37.716	2160.775	2088654.897	6023836.498	0	RS-700	0.08034553459
13996	-122.360	37.716	2282.030	2088653.323	6023838.723	0	RS-700	0.84295641509
13997	-122.360	37.716	2169.433	2088651.787	6023840.862	0	RS-700	0.13480088050
13998	-122.359	37.716	2114.651	2088650.107	6023842.970	0	RS-700	-0.20974169811
13999	-122.359	37.716	2127.084	2088648.355	6023844.989	0	RS-700	-0.13154578616
14000	-122.359	37.716	2213.788	2088646.711	6023847.068	0	RS-700	0.41376094340
14001	-122.359	37.716	2287.712	2088645.103	6023849.177	0	RS-700	0.87869062893
14002	-122.359	37.716	2262.491	2088643.497	6023851.200	0	RS-700	0.72006905660
14003	-122.359	37.716	2178.216	2088641.887	6023853.395	0	RS-700	0.19003742138
14004	-122.359	37.716	2186.999	2088640.170	6023855.531	0	RS-700	0.24527490566
14005	-122.359	37.716	2091.634	2088638.491	6023857.552	0	RS-700	-0.35450622642
14006	-122.359	37.716	2163.528	2088636.737	6023859.658	0	RS-700	0.09765930818
14007	-122.359	37.716	2100.855	2088635.056	6023861.765	0	RS-700	-0.29651106918
14008	-122.359	37.716	2222.345	2088633.448	6023863.903	0	RS-700	0.46758132076
14009	-122.359	37.716	2159.535	2088631.839	6023866.070	0	RS-700	0.07254666667
14010	-122.359	37.716	2247.914	2088630.194	6023868.207	0	RS-700	0.62839283019
14011	-122.359	37.716	2165.892	2088628.551	6023870.257	0	RS-700	0.11253037736
14012	-122.359	37.716	2078.053	2088626.761	6023872.362	0	RS-700	-0.43991654088
14013	-122.359	37.716	2037.932	2088625.152	6023874.529	0	RS-700	-0.69224974843
14014	-122.359	37.716	2059.421	2088623.543	6023876.667	0	RS-700	-0.55709893082
14015	-122.359	37.716	2159.772	2088621.898	6023878.804	0	RS-700	0.07403918239
14016	-122.359	37.716	2086.655	2088620.219	6023880.854	0	RS-700	-0.38581685535
14017	-122.359	37.716	2245.589	2088618.500	6023883.018	0	RS-700	0.61376440252
14018	-122.359	37.716	2207.908	2088616.745	6023885.211	0	RS-700	0.37678150943
14019	-122.359	37.716	2201.901	2088615.099	6023887.406	0	RS-700	0.33899704403
14020	-122.359	37.716	2199.224	2088613.416	6023889.629	0	RS-700	0.32216106918
14021	-122.359	37.716	2155.879	2088611.662	6023891.764	0	RS-700	0.04955566038
14022	-122.359	37.716	2163.992	2088609.909	6023893.841	0	RS-700	0.10058132076
14023	-122.359	37.716	2168.782	2088608.190	6023896.035	0	RS-700	0.13070257862
14024	-122.359	37.716	2105.541	2088606.438	6023898.054	0	RS-700	-0.26703773585
14025	-122.359	37.716	2135.871	2088604.612	6023900.159	0	RS-700	-0.07628119497
14026	-122.359	37.716	2141.552	2088602.859	6023902.236	0	RS-700	-0.04055295597
14027	-122.359	37.716	2133.991	2088601.068	6023904.399	0	RS-700	-0.08810968553
14028	-122.359	37.716	2135.967	2088599.386	6023906.564	0	RS-700	-0.07567823899
14029	-122.359	37.716	2105.071	2088597.595	6023908.699	0	RS-700	-0.26999364780
14030	-122.359	37.716	2133.763	2088596.019	6023911.040	0	RS-700	-0.08953899371
14031	-122.359	37.716	2131.651	2088594.481	6023913.295	0	RS-700	-0.10282559748
14032	-122.359	37.716	2252.801	2088592.981	6023915.492	0	RS-700	0.65912861635
14033	-122.359	37.716	2153.551	2088591.371	6023917.717	0	RS-700	0.03490893082
14034	-122.359	37.716	2222.795	2088589.689	6023919.853	0	RS-700	0.47040767296
14035	-122.359	37.716	2263.604	2088588.043	6023922.077	0	RS-700	0.72706710692
14036	-122.359	37.716	2297.705	2088586.289	6023924.183	0	RS-700	0.94154270440
14037	-122.359	37.716	2236.021	2088584.499	6023926.318	0	RS-700	0.55359220126
14038	-122.359	37.716	2285.047	2088582.706	6023928.567	0	RS-700	0.86193207547
14039	-122.359	37.716	2171.995	2088580.948	6023930.876	0	RS-700	0.15090893082

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14040	-122.359	37.716	2254.367	2088579.301	6023933.129	0	RS-700	0.66897264151
14041	-122.359	37.716	2195.537	2088577.651	6023935.555	0	RS-700	0.29897289308
14042	-122.359	37.716	2182.220	2088575.783	6023937.919	0	RS-700	0.21521817610
14043	-122.359	37.716	2223.793	2088573.953	6023940.197	0	RS-700	0.47668459120
14044	-122.359	37.716	2246.804	2088572.195	6023942.535	0	RS-700	0.62140773585
14045	-122.359	37.716	2272.359	2088570.616	6023944.991	0	RS-700	0.78213503145
14046	-122.359	37.716	2391.865	2088568.896	6023947.243	0	RS-700	1.53374056604
14047	-122.359	37.716	2284.963	2088567.174	6023949.610	0	RS-700	0.86140496855
14048	-122.359	37.716	2259.016	2088565.416	6023951.947	0	RS-700	0.69821182390
14049	-122.359	37.716	2102.066	2088563.696	6023954.198	0	RS-700	-0.28889528302
14050	-122.359	37.716	2190.344	2088561.941	6023956.391	0	RS-700	0.26631685535
14051	-122.359	37.716	2205.012	2088559.436	6023959.640	0	RS-700	0.35856748428
14052	-122.359	37.716	2205.902	2088558.610	6023960.896	0	RS-700	0.36416358491
14053	-122.359	37.716	2172.546	2088556.887	6023963.292	0	RS-700	0.15437597484
14054	-122.359	37.716	2247.578	2088555.131	6023965.543	0	RS-700	0.62627723270
14055	-122.359	37.716	2229.470	2088553.373	6023967.851	0	RS-700	0.51239245283
14056	-122.359	37.716	2130.543	2088551.616	6023970.131	0	RS-700	-0.10979119497
14057	-122.359	37.716	2182.104	2088549.933	6023972.354	0	RS-700	0.21448742138
14058	-122.359	37.716	2168.670	2088548.140	6023974.604	0	RS-700	0.13000088050
14059	-122.359	37.716	2261.936	2088546.346	6023976.940	0	RS-700	0.71658088050
14060	-122.359	37.716	2235.021	2088544.515	6023979.276	0	RS-700	0.54730182390
14061	-122.359	37.716	2127.607	2088542.652	6023981.380	0	RS-700	-0.12825534591
14062	-122.359	37.716	2186.891	2088540.752	6023983.512	0	RS-700	0.24459591195
14063	-122.359	37.716	2248.607	2088538.851	6023985.702	0	RS-700	0.63275069182
14064	-122.359	37.716	2151.097	2088537.240	6023987.985	0	RS-700	0.01947641509
14065	-122.359	37.716	2177.563	2088535.522	6023990.149	0	RS-700	0.18593270440
14066	-122.359	37.716	2220.906	2088533.657	6023992.369	0	RS-700	0.45852635220
14067	-122.359	37.716	2297.823	2088531.900	6023994.620	0	RS-700	0.94228522013
14068	-122.359	37.716	2159.777	2088530.107	6023996.898	0	RS-700	0.07406723270
14069	-122.359	37.716	2189.657	2088528.279	6023999.061	0	RS-700	0.26199238994
14070	-122.359	37.716	2126.654	2088526.453	6024001.194	0	RS-700	-0.13425465409
14071	-122.359	37.716	2132.870	2088524.664	6024003.242	0	RS-700	-0.09515842767
14072	-122.359	37.716	2231.798	2088523.017	6024005.466	0	RS-700	0.52702993711
14073	-122.359	37.716	2254.147	2088521.223	6024007.773	0	RS-700	0.66759295598
14074	-122.359	37.716	2206.009	2088519.359	6024009.935	0	RS-700	0.36483383648
14075	-122.359	37.716	2259.692	2088517.566	6024012.214	0	RS-700	0.70246440252
14076	-122.359	37.716	2242.137	2088515.808	6024014.551	0	RS-700	0.59205893082
14077	-122.359	37.716	2202.897	2088514.087	6024016.861	0	RS-700	0.34526566038
14078	-122.359	37.716	2146.089	2088512.259	6024019.052	0	RS-700	-0.01202062893
14079	-122.359	37.716	2238.025	2088510.468	6024021.186	0	RS-700	0.56619257862
14080	-122.359	37.716	2203.573	2088508.639	6024023.406	0	RS-700	0.34951672956
14081	-122.359	37.716	2379.100	2088506.668	6024025.479	0	RS-700	1.45345716981
14082	-122.359	37.716	2169.336	2088504.876	6024027.671	0	RS-700	0.13418622642
14083	-122.359	37.716	2240.041	2088503.192	6024029.952	0	RS-700	0.57887440252
14084	-122.359	37.716	2277.048	2088501.473	6024032.175	0	RS-700	0.81162000000



**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14085	-122.359	37.716	2240.212	2088499.792	6024034.282	0	RS-700	0.57995056604
14086	-122.359	37.716	2232.574	2088498.037	6024036.446	0	RS-700	0.53191056604
14087	-122.359	37.716	2160.882	2088496.280	6024038.726	0	RS-700	0.08102075472
14088	-122.359	37.716	2141.450	2088494.525	6024040.919	0	RS-700	-0.04119402516
14089	-122.359	37.716	2224.011	2088492.698	6024043.052	0	RS-700	0.47805515723
14090	-122.359	37.716	2125.220	2088490.908	6024045.186	0	RS-700	-0.14327169811
14091	-122.359	37.716	2157.768	2088489.042	6024047.435	0	RS-700	0.06143698113
14092	-122.359	37.716	2141.665	2088487.212	6024049.742	0	RS-700	-0.03984333333
14093	-122.359	37.716	2173.194	2088485.457	6024051.906	0	RS-700	0.15845113208
14094	-122.359	37.716	2135.553	2088483.703	6024054.041	0	RS-700	-0.07828446541
14095	-122.359	37.716	2139.432	2088481.802	6024056.231	0	RS-700	-0.05388798742
14096	-122.359	37.716	2038.831	2088479.864	6024058.449	0	RS-700	-0.68659924528
14097	-122.359	37.716	2009.412	2088477.853	6024060.694	0	RS-700	-0.87162119497
14098	-122.359	37.716	2095.843	2088475.846	6024062.737	0	RS-700	-0.32803125786
14099	-122.359	37.716	2106.543	2088473.874	6024064.839	0	RS-700	-0.26073440252
14100	-122.359	37.716	2027.726	2088471.831	6024066.853	0	RS-700	-0.75644075472
14101	-122.359	37.716	2083.217	2088469.969	6024068.899	0	RS-700	-0.40744000000
14102	-122.359	37.716	2073.870	2088468.593	6024070.347	0	RS-700	-0.46622635220
14103	-122.359	37.716	2089.332	2088467.292	6024071.652	0	RS-700	-0.36898270440
14104	-122.359	37.716	2078.427	2088466.127	6024073.480	0	RS-700	-0.43756691824
14105	-122.359	37.716	2061.837	2088465.897	6024075.906	0	RS-700	-0.54190735849
14106	-122.359	37.716	2033.625	2088466.873	6024078.124	0	RS-700	-0.71933798742
14107	-122.359	37.716	1983.006	2088468.443	6024079.746	0	RS-700	-1.03769880503
14108	-122.359	37.716	1969.802	2088470.142	6024080.359	0	RS-700	-1.12074320755
14109	-122.359	37.716	2032.725	2088471.126	6024080.349	0	RS-700	-0.72500031447
14110	-122.359	37.716	1966.420	2088470.319	6024080.623	0	RS-700	-1.14201213836
14111	-122.359	37.716	2080.329	2088468.627	6024081.486	0	RS-700	-0.42560238994
14112	-122.359	37.716	1988.910	2088467.411	6024082.185	0	RS-700	-1.00056622642
14113	-122.359	37.716	2022.617	2088467.116	6024082.382	0	RS-700	-0.78857182390
14114	-122.359	37.716	2052.513	2088467.153	6024082.353	0	RS-700	-0.60054830189
14115	-122.359	37.716	2093.643	2088465.057	6024081.502	0	RS-700	-0.34186528302
14116	-122.359	37.716	2040.833	2088465.721	6024081.110	0	RS-700	-0.67400358491
14117	-122.359	37.716	2029.118	2088469.219	6024081.006	0	RS-700	-0.74768415094
14118	-122.359	37.716	2096.072	2088470.698	6024079.907	0	RS-700	-0.32658968554
14119	-122.359	37.716	2077.953	2088472.111	6024078.431	0	RS-700	-0.44055031447
14120	-122.359	37.716	2060.927	2088473.349	6024076.604	0	RS-700	-0.54762691824
14121	-122.359	37.716	2017.822	2088474.482	6024074.572	0	RS-700	-0.81873188679
14122	-122.359	37.716	1980.296	2088475.397	6024072.478	0	RS-700	-1.05474490566
14123	-122.359	37.716	2050.734	2088475.583	6024070.486	0	RS-700	-0.61173553459
14124	-122.359	37.716	2019.114	2088475.290	6024068.715	0	RS-700	-0.81060075472
14125	-122.359	37.716	2125.654	2088475.073	6024066.830	0	RS-700	-0.14053937107
14126	-122.359	37.716	2089.166	2088475.075	6024064.892	0	RS-700	-0.37002213837
14127	-122.359	37.716	2050.327	2088475.250	6024063.391	0	RS-700	-0.61429534591
14128	-122.359	37.716	2062.946	2088475.483	6024062.672	0	RS-700	-0.53493358491
14129	-122.359	37.716	2091.538	2088475.934	6024061.958	0	RS-700	-0.35510515723

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14130	-122.359	37.716	2106.533	2088476.897	6024061.138	0	RS-700	-0.26079855346
14131	-122.359	37.716	2110.759	2088477.746	6024060.605	0	RS-700	-0.23421798742
14132	-122.359	37.716	2133.765	2088478.953	6024060.311	0	RS-700	-0.08953075472
14133	-122.359	37.716	2073.931	2088480.164	6024059.872	0	RS-700	-0.46584534591
14134	-122.359	37.716	2128.864	2088481.091	6024059.023	0	RS-700	-0.12035194969
14135	-122.359	37.716	2090.735	2088482.026	6024057.797	0	RS-700	-0.36015704403
14136	-122.359	37.716	2178.559	2088482.928	6024056.398	0	RS-700	0.19219396226
14137	-122.359	37.716	2127.973	2088484.152	6024055.265	0	RS-700	-0.12595402516
14138	-122.359	37.716	2122.754	2088485.776	6024054.198	0	RS-700	-0.15877773585
14139	-122.359	37.716	2237.916	2088487.540	6024053.394	0	RS-700	0.56550943396
14140	-122.359	37.716	2156.555	2088489.129	6024052.239	0	RS-700	0.05380465409
14141	-122.359	37.716	2116.282	2088490.688	6024050.766	0	RS-700	-0.19948213837
14142	-122.359	37.716	2144.659	2088492.277	6024049.582	0	RS-700	-0.02101044025
14143	-122.359	37.716	2164.983	2088493.324	6024048.214	0	RS-700	0.10681433962
14144	-122.359	37.716	2177.670	2088493.831	6024046.517	0	RS-700	0.18660245283
14145	-122.359	37.716	2118.545	2088494.253	6024045.455	0	RS-700	-0.18525106918
14146	-122.359	37.716	2206.684	2088493.801	6024046.198	0	RS-700	0.36907981132
14147	-122.359	37.716	2225.795	2088493.047	6024047.514	0	RS-700	0.48927660377
14148	-122.359	37.716	2174.002	2088492.932	6024047.801	0	RS-700	0.16353257862
14149	-122.359	37.716	2128.175	2088493.126	6024047.169	0	RS-700	-0.12468509434
14150	-122.359	37.716	2167.448	2088493.658	6024046.080	0	RS-700	0.12231610063
14151	-122.359	37.716	2177.780	2088494.729	6024045.320	0	RS-700	0.18729528302
14152	-122.359	37.716	2225.016	2088495.867	6024044.880	0	RS-700	0.48437830189
14153	-122.359	37.716	2067.946	2088496.937	6024044.149	0	RS-700	-0.50348144654
14154	-122.359	37.716	2149.986	2088497.869	6024043.097	0	RS-700	0.01248792453
14155	-122.359	37.716	2115.388	2088499.022	6024041.876	0	RS-700	-0.20510515723
14156	-122.359	37.716	2153.451	2088500.432	6024040.573	0	RS-700	0.03428459120
14157	-122.359	37.716	2179.128	2088501.987	6024039.273	0	RS-700	0.19577396226
14158	-122.359	37.716	2199.116	2088503.473	6024037.827	0	RS-700	0.32148522013
14159	-122.359	37.716	2126.654	2088504.033	6024037.144	0	RS-700	-0.13425106918
14160	-122.359	37.716	2199.115	2088503.884	6024037.286	0	RS-700	0.32148106918
14161	-122.359	37.716	2188.136	2088504.073	6024036.942	0	RS-700	0.25242534591
14162	-122.359	37.716	2193.678	2088504.334	6024036.629	0	RS-700	0.28728226415
14163	-122.359	37.716	2160.342	2088504.864	6024035.627	0	RS-700	0.07762207547
14164	-122.359	37.716	2193.216	2088505.769	6024034.083	0	RS-700	0.28437981132
14165	-122.359	37.716	2186.783	2088506.899	6024032.196	0	RS-700	0.24392056604
14166	-122.359	37.716	2171.650	2088508.178	6024030.109	0	RS-700	0.14874358491
14167	-122.359	37.716	2188.002	2088509.748	6024028.115	0	RS-700	0.25158264151
14168	-122.359	37.716	2145.444	2088511.054	6024026.521	0	RS-700	-0.01607364780
14169	-122.359	37.716	2216.696	2088511.457	6024024.562	0	RS-700	0.43205025157
14170	-122.359	37.716	2220.779	2088511.313	6024022.650	0	RS-700	0.45773006289
14171	-122.359	37.716	2182.763	2088511.750	6024020.836	0	RS-700	0.21863748428
14172	-122.359	37.716	2183.444	2088512.727	6024019.293	0	RS-700	0.22291805031
14173	-122.359	37.716	2189.232	2088514.318	6024018.051	0	RS-700	0.25932352201
14174	-122.359	37.716	2166.098	2088516.230	6024017.106	0	RS-700	0.11382578616

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14175	-122.359	37.716	2234.573	2088518.072	6024016.072	0	RS-700	0.54448522013
14176	-122.359	37.716	2123.871	2088519.879	6024014.922	0	RS-700	-0.15175245283
14177	-122.359	37.716	2180.782	2088521.765	6024013.512	0	RS-700	0.20617597484
14178	-122.359	37.716	2285.253	2088523.692	6024011.844	0	RS-700	0.86322704403
14179	-122.359	37.716	2239.024	2088524.518	6024010.558	0	RS-700	0.57247918239
14180	-122.359	37.716	2121.073	2088525.234	6024009.358	0	RS-700	-0.16935465409
14181	-122.359	37.716	2089.432	2088525.810	6024007.865	0	RS-700	-0.36835088050
14182	-122.359	37.716	2103.862	2088527.116	6024006.270	0	RS-700	-0.27759723270
14183	-122.359	37.716	2185.652	2088528.606	6024004.622	0	RS-700	0.23680270440
14184	-122.359	37.716	2164.988	2088529.843	6024002.853	0	RS-700	0.10684528302
14185	-122.359	37.716	2150.754	2088531.149	6024001.259	0	RS-700	0.01732075472
14186	-122.359	37.716	2177.666	2088532.564	6023999.725	0	RS-700	0.18657823899
14187	-122.359	37.716	2155.554	2088533.876	6023997.812	0	RS-700	0.04751037736
14188	-122.359	37.716	2146.301	2088535.151	6023995.986	0	RS-700	-0.01068792453
14189	-122.359	37.716	2218.442	2088536.609	6023994.077	0	RS-700	0.44302905660
14190	-122.359	37.716	2314.059	2088538.142	6023992.082	0	RS-700	1.04439886792
14191	-122.359	37.716	2170.536	2088539.563	6023990.230	0	RS-700	0.14173849057
14192	-122.359	37.716	2187.447	2088540.948	6023988.319	0	RS-700	0.24809735849
14193	-122.359	37.716	2220.902	2088542.261	6023986.378	0	RS-700	0.45850188679
14194	-122.359	37.716	2152.772	2088543.503	6023984.348	0	RS-700	0.03001201258
14195	-122.359	37.716	2279.929	2088544.817	6023982.407	0	RS-700	0.82974176101
14196	-122.359	37.716	2216.471	2088546.127	6023980.610	0	RS-700	0.43063716981
14197	-122.359	37.716	2188.900	2088547.364	6023978.841	0	RS-700	0.25723257862
14198	-122.359	37.716	2181.556	2088548.525	6023977.244	0	RS-700	0.21104238994
14199	-122.359	37.716	2144.882	2088549.032	6023975.547	0	RS-700	-0.01960767296
14200	-122.359	37.716	2156.334	2088549.718	6023974.028	0	RS-700	0.05241371069
14201	-122.359	37.716	2157.990	2088550.692	6023972.629	0	RS-700	0.06282962264
14202	-122.359	37.716	2142.199	2088551.744	6023971.030	0	RS-700	-0.03648383648
14203	-122.359	37.716	2105.754	2088552.866	6023969.548	0	RS-700	-0.26569540881
14204	-122.359	37.716	2185.890	2088554.555	6023968.858	0	RS-700	0.23830452830
14205	-122.359	37.716	2186.007	2088556.426	6023968.172	0	RS-700	0.23903893082
14206	-122.359	37.716	2138.665	2088558.377	6023967.141	0	RS-700	-0.05871377358
14207	-122.359	37.716	2118.552	2088560.113	6023965.902	0	RS-700	-0.18520654088
14208	-122.359	37.716	2033.518	2088561.636	6023964.370	0	RS-700	-0.72000955975
14209	-122.359	37.716	2100.854	2088562.798	6023962.744	0	RS-700	-0.29651295598
14210	-122.359	37.716	2018.616	2088563.780	6023960.970	0	RS-700	-0.81373484277
14211	-122.359	37.716	2028.929	2088564.654	6023959.136	0	RS-700	-0.74887534591
14212	-122.359	37.716	2136.873	2088565.092	6023957.235	0	RS-700	-0.06997949686
14213	-122.359	37.716	2238.593	2088564.944	6023955.525	0	RS-700	0.56976930818
14214	-122.359	37.716	2301.075	2088565.154	6023954.112	0	RS-700	0.96273742138
14215	-122.359	37.716	2248.692	2088565.870	6023952.940	0	RS-700	0.63328534591
14216	-122.359	37.716	2219.461	2088567.057	6023951.835	0	RS-700	0.44944270440
14217	-122.359	37.716	2188.674	2088568.823	6023950.944	0	RS-700	0.25580911950
14218	-122.359	37.716	2241.021	2088570.700	6023949.940	0	RS-700	0.58503547170
14219	-122.359	37.716	2211.015	2088572.647	6023949.111	0	RS-700	0.39632220126

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14220	-122.359	37.716	2226.907	2088574.262	6023948.449	0	RS-700	0.49626767296
14221	-122.359	37.716	2221.000	2088575.451	6023947.257	0	RS-700	0.45911748428
14222	-122.359	37.716	2167.778	2088576.573	6023945.775	0	RS-700	0.12439194969
14223	-122.359	37.716	2147.228	2088577.808	6023944.122	0	RS-700	-0.00485283019
14224	-122.359	37.716	2240.141	2088579.119	6023942.296	0	RS-700	0.57950371069
14225	-122.359	37.716	2210.351	2088580.211	6023940.495	0	RS-700	0.39214679245
14226	-122.359	37.716	2216.234	2088581.443	6023938.986	0	RS-700	0.42914679245
14227	-122.359	37.716	2261.581	2088582.567	6023937.417	0	RS-700	0.71434798742
14228	-122.359	37.716	2285.159	2088583.727	6023935.849	0	RS-700	0.86263402516
14229	-122.359	37.716	2281.947	2088584.886	6023934.310	0	RS-700	0.84243540881
14230	-122.359	37.716	2191.328	2088585.968	6023933.001	0	RS-700	0.27250327044
14231	-122.359	37.716	2241.798	2088586.509	6023931.449	0	RS-700	0.58992735849
14232	-122.359	37.716	2312.268	2088586.285	6023929.883	0	RS-700	1.03313226415
14233	-122.359	37.716	2281.961	2088585.658	6023928.452	0	RS-700	0.84251930818
14234	-122.359	37.716	2264.813	2088585.433	6023926.973	0	RS-700	0.73467421384
14235	-122.359	37.716	2269.152	2088585.829	6023925.331	0	RS-700	0.76196301887
14236	-122.359	37.716	2307.177	2088586.953	6023923.791	0	RS-700	1.00111371069
14237	-122.359	37.716	2198.014	2088588.438	6023922.345	0	RS-700	0.31455496855
14238	-122.359	37.716	2210.792	2088590.605	6023921.405	0	RS-700	0.39491616352
14239	-122.359	37.716	2103.966	2088592.987	6023920.700	0	RS-700	-0.27694044025
14240	-122.359	37.716	2128.654	2088595.088	6023919.440	0	RS-700	-0.12167364780
14241	-122.359	37.716	2178.780	2088596.612	6023917.879	0	RS-700	0.19358377359
14242	-122.359	37.716	2084.056	2088598.316	6023916.437	0	RS-700	-0.40216213837
14243	-122.359	37.716	2055.264	2088600.165	6023914.999	0	RS-700	-0.58324301887
14244	-122.359	37.716	2149.876	2088601.219	6023913.313	0	RS-700	0.01179861635
14245	-122.359	37.716	2067.937	2088601.329	6023911.434	0	RS-700	-0.50354031447
14246	-122.359	37.716	2098.854	2088600.925	6023909.777	0	RS-700	-0.30909364780
14247	-122.359	37.716	2198.233	2088600.953	6023908.331	0	RS-700	0.31592811321
14248	-122.359	37.716	2163.787	2088601.499	6023906.520	0	RS-700	0.09929094340
14249	-122.359	37.716	2231.910	2088601.737	6023905.541	0	RS-700	0.52773805031
14250	-122.359	37.716	2149.880	2088601.891	6023905.139	0	RS-700	0.01182566038
14251	-122.359	37.716	2176.103	2088601.981	6023904.244	0	RS-700	0.17674798742
14252	-122.359	37.716	2185.783	2088601.995	6023903.549	0	RS-700	0.23763050315
14253	-122.359	37.716	2150.876	2088601.993	6023903.636	0	RS-700	0.01809037736
14254	-122.359	37.716	2164.883	2088602.029	6023903.666	0	RS-700	0.10618245283
14255	-122.359	37.716	2183.217	2088601.993	6023903.636	0	RS-700	0.22148823899
14256	-122.359	37.716	2110.650	2088602.029	6023903.666	0	RS-700	-0.23490861635
14257	-122.359	37.716	2132.975	2088602.029	6023903.666	0	RS-700	-0.09449446541
14258	-122.359	37.716	2133.977	2088601.994	6023903.607	0	RS-700	-0.08819415094
14259	-122.359	37.716	2146.311	2088601.993	6023903.636	0	RS-700	-0.01062364780
14260	-122.359	37.716	2170.994	2088602.032	6023903.550	0	RS-700	0.14461446541
14261	-122.359	37.716	2079.956	2088602.036	6023903.348	0	RS-700	-0.42795188679
14262	-122.359	37.716	2153.093	2088601.912	6023902.246	0	RS-700	0.03203320755
14263	-122.359	37.716	2175.099	2088602.120	6023900.919	0	RS-700	0.17043276730
14264	-122.359	37.716	2115.085	2088602.009	6023901.004	0	RS-700	-0.20700974843

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14265	-122.359	37.716	2206.793	2088601.228	6023901.856	0	RS-700	0.36976540881
14266	-122.359	37.716	2137.333	2088600.966	6023902.198	0	RS-700	-0.06708893082
14267	-122.359	37.716	2141.550	2088601.340	6023901.714	0	RS-700	-0.04056698113
14268	-122.359	37.716	2133.648	2088602.048	6023900.889	0	RS-700	-0.09026333333
14269	-122.359	37.716	2092.639	2088603.338	6023900.133	0	RS-700	-0.34818213837
14270	-122.359	37.716	2110.646	2088605.164	6023899.851	0	RS-700	-0.23492905660
14271	-122.359	37.716	2105.330	2088606.959	6023899.337	0	RS-700	-0.26836654088
14272	-122.359	37.716	2117.857	2088608.657	6023898.185	0	RS-700	-0.18958176101
14273	-122.359	37.716	2124.869	2088610.075	6023896.477	0	RS-700	-0.14547792453
14274	-122.359	37.716	2182.671	2088611.385	6023894.681	0	RS-700	0.21805742138
14275	-122.359	37.716	2045.425	2088613.266	6023893.503	0	RS-700	-0.64512754717
14276	-122.359	37.716	2007.019	2088615.063	6023892.902	0	RS-700	-0.88667408805
14277	-122.359	37.716	2043.956	2088615.621	6023892.306	0	RS-700	-0.65436761006
14278	-122.359	37.716	2158.664	2088616.920	6023891.059	0	RS-700	0.06706798742
14279	-122.359	37.716	2130.968	2088617.806	6023890.469	0	RS-700	-0.10712132076
14280	-122.359	37.716	2159.665	2088617.621	6023890.639	0	RS-700	0.07336383648
14281	-122.359	37.716	2165.992	2088617.543	6023890.869	0	RS-700	0.11315496855
14282	-122.359	37.716	2158.674	2088617.653	6023890.842	0	RS-700	0.06713333333
14283	-122.359	37.716	2170.101	2088617.389	6023891.299	0	RS-700	0.13900050315
14284	-122.359	37.716	2163.550	2088618.280	6023890.449	0	RS-700	0.09780044025
14285	-122.359	37.716	2240.797	2088619.435	6023889.141	0	RS-700	0.58363138365
14286	-122.359	37.716	2162.551	2088620.162	6023887.362	0	RS-700	0.09151566038
14287	-122.359	37.716	2056.839	2088620.707	6023885.608	0	RS-700	-0.57334012579
14288	-122.359	37.716	2151.562	2088621.687	6023883.950	0	RS-700	0.02240301887
14289	-122.359	37.716	2075.442	2088622.845	6023882.497	0	RS-700	-0.45633930818
14290	-122.359	37.716	2032.728	2088623.279	6023880.770	0	RS-700	-0.72497993711
14291	-122.359	37.716	2123.551	2088623.903	6023878.728	0	RS-700	-0.15376509434
14292	-122.359	37.716	2001.694	2088625.139	6023876.988	0	RS-700	-0.92016088050
14293	-122.359	37.716	2067.532	2088626.774	6023875.343	0	RS-700	-0.50608817610
14294	-122.359	37.716	2126.657	2088628.301	6023873.637	0	RS-700	-0.13423371069
14295	-122.359	37.716	2251.930	2088629.900	6023872.020	0	RS-700	0.65364943396
14296	-122.359	37.716	2269.268	2088631.314	6023870.457	0	RS-700	0.76269100629
14297	-122.359	37.716	2232.243	2088632.256	6023868.913	0	RS-700	0.52983056604
14298	-122.359	37.716	2090.853	2088632.940	6023867.451	0	RS-700	-0.35941761006
14299	-122.359	37.716	2086.273	2088633.908	6023866.400	0	RS-700	-0.38821786164
14300	-122.359	37.716	2138.990	2088635.341	6023865.763	0	RS-700	-0.05666452830
14301	-122.359	37.716	2084.684	2088636.880	6023865.302	0	RS-700	-0.39821471698
14302	-122.359	37.716	2152.094	2088638.133	6023864.546	0	RS-700	0.02574723270
14303	-122.359	37.716	2147.771	2088638.951	6023863.723	0	RS-700	-0.00143962264
14304	-122.359	37.716	2159.550	2088639.293	6023863.007	0	RS-700	0.07263962264
14305	-122.359	37.716	2206.011	2088638.979	6023864.129	0	RS-700	0.36485012579
14306	-122.359	37.716	2183.899	2088638.593	6023865.249	0	RS-700	0.22578125786
14307	-122.359	37.716	2123.973	2088638.591	6023865.307	0	RS-700	-0.15111484277
14308	-122.359	37.716	2177.996	2088638.895	6023864.677	0	RS-700	0.18865647799
14309	-122.359	37.716	2136.875	2088639.435	6023863.154	0	RS-700	-0.06997144654

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14310	-122.359	37.716	2240.346	2088639.325	6023861.387	0	RS-700	0.58079509434
14311	-122.359	37.716	2166.201	2088639.309	6023860.345	0	RS-700	0.11447201258
14312	-122.359	37.716	2149.523	2088639.320	6023859.796	0	RS-700	0.00957981132
14313	-122.359	37.716	2190.570	2088639.380	6023858.611	0	RS-700	0.26773647799
14314	-122.359	37.716	2131.681	2088639.882	6023857.174	0	RS-700	-0.10263679245
14315	-122.359	37.716	2257.804	2088641.039	6023855.780	0	RS-700	0.69059044025
14316	-122.359	37.716	2289.798	2088642.586	6023854.885	0	RS-700	0.89181339623
14317	-122.359	37.716	2210.571	2088644.170	6023853.990	0	RS-700	0.39352553459
14318	-122.359	37.716	2220.682	2088645.939	6023852.955	0	RS-700	0.45712213837
14319	-122.359	37.716	2193.785	2088647.855	6023851.807	0	RS-700	0.28795427673
14320	-122.359	37.716	2106.174	2088649.602	6023850.019	0	RS-700	-0.26305729560
14321	-122.359	37.716	2208.800	2088651.243	6023848.113	0	RS-700	0.38238823899
14322	-122.359	37.716	2175.991	2088653.313	6023846.534	0	RS-700	0.17604377359
14323	-122.359	37.716	2135.084	2088654.806	6023844.712	0	RS-700	-0.08123188679
14324	-122.359	37.716	2157.444	2088656.009	6023842.827	0	RS-700	0.05939849057
14325	-122.360	37.716	2128.861	2088656.867	6023841.831	0	RS-700	-0.12036930818
14326	-122.360	37.716	2117.773	2088656.532	6023842.201	0	RS-700	-0.19010679245
14327	-122.360	37.716	2053.225	2088656.418	6023842.430	0	RS-700	-0.59606949686
14328	-122.360	37.716	2121.439	2088656.986	6023841.342	0	RS-700	-0.16704987421
14329	-122.360	37.716	2145.308	2088658.142	6023839.976	0	RS-700	-0.01693257862
14330	-122.360	37.716	2084.635	2088659.256	6023838.899	0	RS-700	-0.39852132076
14331	-122.360	37.716	2142.516	2088659.940	6023837.437	0	RS-700	-0.03449345912
14332	-122.360	37.716	2130.447	2088660.006	6023835.992	0	RS-700	-0.11039358491
14333	-122.360	37.716	2036.219	2088659.699	6023834.944	0	RS-700	-0.70302704403
14334	-122.360	37.716	2159.773	2088659.316	6023834.040	0	RS-700	0.07404710692
14335	-122.360	37.716	2145.985	2088658.937	6023832.962	0	RS-700	-0.01267572327
14336	-122.360	37.716	2067.947	2088658.994	6023831.921	0	RS-700	-0.50347792453
14337	-122.360	37.716	2185.234	2088658.651	6023832.696	0	RS-700	0.23417515723
14338	-122.360	37.716	2094.853	2088657.860	6023833.982	0	RS-700	-0.33425603774
14339	-122.360	37.716	2120.296	2088657.449	6023834.523	0	RS-700	-0.17424157233
14340	-122.360	37.716	2091.081	2088658.052	6023833.523	0	RS-700	-0.35798088050
14341	-122.360	37.716	2107.861	2088659.361	6023831.755	0	RS-700	-0.25244660377
14342	-122.360	37.716	2009.019	2088660.751	6023829.613	0	RS-700	-0.87409433962
14343	-122.360	37.716	2137.091	2088662.398	6023827.389	0	RS-700	-0.06861320755
14344	-122.360	37.716	2080.159	2088664.650	6023825.872	0	RS-700	-0.42667465409
14345	-122.360	37.716	2060.045	2088667.002	6023824.819	0	RS-700	-0.55317446541
14346	-122.360	37.716	2028.432	2088669.351	6023823.882	0	RS-700	-0.75200238994
14347	-122.360	37.716	2114.765	2088670.567	6023823.154	0	RS-700	-0.20902566038
14348	-122.360	37.716	2067.060	2088670.936	6023822.901	0	RS-700	-0.50905572327
14349	-122.360	37.716	1989.814	2088671.157	6023822.790	0	RS-700	-0.99487981132
14350	-122.360	37.716	2061.941	2088670.715	6023823.041	0	RS-700	-0.54125062893
14351	-122.360	37.716	2141.774	2088671.493	6023822.391	0	RS-700	-0.03915540881
14352	-122.360	37.716	2088.432	2088670.006	6023820.250	0	RS-700	-0.37463880503
14353	-122.360	37.716	2194.345	2088671.683	6023818.345	0	RS-700	0.29147528302
14354	-122.360	37.716	2166.271	2088676.069	6023817.506	0	RS-700	0.11491427673

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14355	-122.360	37.716	2207.008	2088677.275	6023815.476	0	RS-700	0.37112119497
14356	-122.360	37.716	2182.890	2088678.631	6023813.217	0	RS-700	0.21943572327
14357	-122.360	37.716	2314.042	2088679.009	6023810.679	0	RS-700	1.04429025157
14358	-122.360	37.716	2379.854	2088678.870	6023808.535	0	RS-700	0.53916258065
14359	-122.360	37.716	2482.150	2088678.428	6023806.964	0	RS-700	0.83915035191
14360	-122.360	37.716	2564.543	2088677.762	6023805.620	0	RS-700	1.08077129032
14361	-122.360	37.716	2476.536	2088676.735	6023804.153	0	RS-700	0.82268630499
14362	-122.360	37.716	2603.328	2088675.165	6023802.560	0	RS-700	1.19451102639
14363	-122.360	37.716	2556.042	2088673.554	6023801.139	0	RS-700	1.05584082111
14364	-122.360	37.716	2611.997	2088671.583	6023799.509	0	RS-700	1.21993111437
14365	-122.360	37.716	2571.165	2088669.537	6023798.022	0	RS-700	1.10019184751
14366	-122.360	37.716	2558.425	2088667.381	6023796.561	0	RS-700	1.06282909091
14367	-122.360	37.716	2524.272	2088665.336	6023795.016	0	RS-700	0.96267390029
14368	-122.360	37.716	2533.153	2088663.284	6023793.789	0	RS-700	0.98871794721
14369	-122.360	37.716	2563.428	2088662.705	6023793.604	0	RS-700	1.07750217009
14370	-122.360	37.716	2644.950	2088661.847	6023792.835	0	RS-700	1.31656994135
14371	-122.360	37.716	2719.538	2088660.420	6023791.331	0	RS-700	1.53530231672
14372	-122.360	37.716	2634.864	2088659.495	6023790.213	0	RS-700	1.28699038123
14373	-122.360	37.716	2610.461	2088658.459	6023789.180	0	RS-700	1.21542824047
14374	-122.360	37.716	2578.685	2088656.958	6023787.762	0	RS-700	1.12224269795
14375	-122.360	37.716	2672.697	2088655.100	6023785.960	0	RS-700	1.39793976540
14376	-122.360	37.716	2618.946	2088653.168	6023784.215	0	RS-700	1.24030988270
14377	-122.360	37.716	2554.149	2088651.161	6023782.584	0	RS-700	1.05029064516
14378	-122.360	37.716	2793.455	2088649.255	6023781.389	0	RS-700	1.75206621701
14379	-122.360	37.716	2602.707	2088646.032	6023778.605	0	RS-700	1.19268976540
14380	-122.360	37.716	2737.812	2088644.344	6023777.414	0	RS-700	1.58889287390
14381	-122.360	37.716	2875.331	2088642.791	6023776.747	0	RS-700	1.99217407625
14382	-122.360	37.716	2756.399	2088640.899	6023776.680	0	RS-700	1.64339835777
14383	-122.360	37.716	2464.005	2088638.839	6023777.710	0	RS-700	1.98745264151
14384	-122.360	37.716	2150.763	2088637.842	6023780.207	0	RS-700	0.01737679245
14385	-122.360	37.716	2224.793	2088637.675	6023783.155	0	RS-700	0.48297691824
14386	-122.360	37.716	2172.892	2088637.694	6023785.846	0	RS-700	0.15655194969
14387	-122.360	37.716	2166.876	2088637.899	6023788.367	0	RS-700	0.11871767296
14388	-122.360	37.716	2183.563	2088637.785	6023790.418	0	RS-700	0.22366710692
14389	-122.360	37.716	2159.088	2088637.309	6023792.405	0	RS-700	0.06973886792
14390	-122.360	37.716	2124.751	2088636.577	6023794.387	0	RS-700	-0.14621716981
14391	-122.360	37.716	2137.870	2088635.512	6023796.680	0	RS-700	-0.06370779874
14392	-122.360	37.716	2184.780	2088634.555	6023799.005	0	RS-700	0.23131817610
14393	-122.360	37.716	2170.663	2088633.413	6023801.499	0	RS-700	0.14253459120
14394	-122.360	37.716	2201.679	2088631.945	6023803.900	0	RS-700	0.33760150943
14395	-122.360	37.716	2161.530	2088630.261	6023806.181	0	RS-700	0.08509515723
14396	-122.360	37.716	2252.356	2088628.611	6023808.549	0	RS-700	0.65632421384
14397	-122.360	37.716	2222.794	2088626.998	6023810.947	0	RS-700	0.47040427673
14398	-122.360	37.716	2174.886	2088625.349	6023813.287	0	RS-700	0.16909257862
14399	-122.360	37.716	2224.352	2088623.768	6023815.859	0	RS-700	0.48020044025

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14400	-122.360	37.716	2193.454	2088622.150	6023818.460	0	RS-700	0.28587132076
14401	-122.360	37.716	1898.401	2088620.751	6023821.094	0	RS-700	-1.56980465409
14402	-122.360	37.716	1166.423	2088619.032	6023823.258	0	RS-700	-6.17343911950
14403	-122.360	37.716	1176.267	2088617.604	6023825.486	0	RS-700	-6.11153119497
14404	-122.360	37.716	1974.409	2088615.808	6023827.881	0	RS-700	-1.09176685535
14405	-122.360	37.716	2099.759	2088613.841	6023829.751	0	RS-700	-0.30340553459
14406	-122.360	37.716	2134.768	2088612.141	6023831.019	0	RS-700	-0.08322138365
14407	-122.360	37.716	2152.773	2088610.364	6023832.431	0	RS-700	0.03002169811
14408	-122.360	37.716	2102.855	2088608.650	6023834.422	0	RS-700	-0.28393201258
14409	-122.360	37.716	2058.323	2088606.928	6023836.731	0	RS-700	-0.56400886793
14410	-122.360	37.716	2097.648	2088605.353	6023839.043	0	RS-700	-0.31668018868
14411	-122.360	37.716	2095.640	2088603.777	6023841.384	0	RS-700	-0.32930716981
14412	-122.359	37.716	2240.911	2088602.210	6023843.262	0	RS-700	0.58434358491
14413	-122.359	37.716	2190.013	2088601.009	6023845.032	0	RS-700	0.26423396226
14414	-122.359	37.716	2180.121	2088600.032	6023846.575	0	RS-700	0.20202125786
14415	-122.359	37.716	2186.559	2088599.206	6023847.831	0	RS-700	0.24250943396
14416	-122.359	37.716	2114.181	2088598.644	6023848.601	0	RS-700	-0.21269830189
14417	-122.359	37.716	2131.986	2088598.531	6023848.773	0	RS-700	-0.10071622642
14418	-122.359	37.716	2059.528	2088598.532	6023848.715	0	RS-700	-0.55642616352
14419	-122.359	37.716	2052.145	2088598.532	6023848.715	0	RS-700	-0.60285962264
14420	-122.359	37.716	2196.346	2088598.532	6023848.715	0	RS-700	0.30406201258
14421	-122.359	37.716	2136.553	2088598.533	6023848.686	0	RS-700	-0.07199610063
14422	-122.359	37.716	2206.123	2088598.533	6023848.686	0	RS-700	0.36555201258
14423	-122.359	37.716	2208.569	2088598.533	6023848.686	0	RS-700	0.38093559748
14424	-122.359	37.716	2188.004	2088598.497	6023848.685	0	RS-700	0.25159987421
14425	-122.359	37.716	2287.933	2088598.496	6023848.714	0	RS-700	0.88008314465
14426	-122.359	37.716	2156.229	2088598.460	6023848.713	0	RS-700	0.05175754717
14427	-122.359	37.716	2200.797	2088598.460	6023848.713	0	RS-700	0.33205402516
14428	-122.359	37.716	2142.444	2088598.460	6023848.713	0	RS-700	-0.03494597484
14429	-122.359	37.716	2069.170	2088598.422	6023848.771	0	RS-700	-0.49578691824
14430	-122.359	37.716	2173.103	2088597.822	6023849.627	0	RS-700	0.15788226415
14431	-122.359	37.716	2160.680	2088596.213	6023851.793	0	RS-700	0.07974584906
14432	-122.359	37.716	2101.067	2088594.269	6023854.329	0	RS-700	-0.29517811321
14433	-122.359	37.716	2093.645	2088592.252	6023856.893	0	RS-700	-0.34185452830
14434	-122.359	37.716	2123.188	2088590.190	6023859.861	0	RS-700	-0.15605075472
14435	-122.359	37.716	2098.303	2088588.202	6023862.743	0	RS-700	-0.31256081761
14436	-122.359	37.716	2142.758	2088586.289	6023865.570	0	RS-700	-0.03296691824
14437	-122.359	37.716	2062.740	2088584.226	6023868.566	0	RS-700	-0.53622339623
14438	-122.359	37.716	2158.752	2088582.165	6023871.476	0	RS-700	0.06762138365
14439	-122.359	37.716	2182.003	2088580.066	6023874.472	0	RS-700	0.21385415094
14440	-122.359	37.716	2198.007	2088577.971	6023877.295	0	RS-700	0.31450716981
14441	-122.359	37.716	2118.752	2088575.876	6023880.088	0	RS-700	-0.18395251572
14442	-122.359	37.716	2184.213	2088573.818	6023882.854	0	RS-700	0.22775603774
14443	-122.359	37.716	2121.976	2088571.686	6023885.676	0	RS-700	-0.16367396226
14444	-122.359	37.716	2143.624	2088569.700	6023888.471	0	RS-700	-0.02752327044



**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14445	-122.359	37.716	2201.679	2088567.678	6023891.266	0	RS-700	0.33760308176
14446	-122.359	37.716	2375.842	2088565.654	6023894.119	0	RS-700	1.43297138365
14447	-122.359	37.716	2311.949	2088563.632	6023896.914	0	RS-700	1.03112874214
14448	-122.359	37.716	2286.279	2088561.395	6023899.560	0	RS-700	0.86968000000
14449	-122.359	37.716	2263.697	2088559.121	6023902.177	0	RS-700	0.72765232704
14450	-122.359	37.716	2216.160	2088553.879	6023903.866	0	RS-700	0.42867842767
14451	-122.359	37.716	2278.501	2088551.752	6023906.457	0	RS-700	0.82076226415
14452	-122.359	37.716	2290.824	2088549.553	6023908.988	0	RS-700	0.89826584906
14453	-122.359	37.716	2358.555	2088547.462	6023911.579	0	RS-700	1.32424295597
14454	-122.359	37.716	2278.156	2088545.406	6023914.258	0	RS-700	0.81859094340
14455	-122.359	37.716	2372.928	2088543.422	6023916.967	0	RS-700	1.41463930818
14456	-122.359	37.716	2225.465	2088541.223	6023919.498	0	RS-700	0.48720176101
14457	-122.359	37.716	2261.493	2088539.024	6023922.029	0	RS-700	0.71379226415
14458	-122.359	37.716	2198.568	2088536.968	6023924.708	0	RS-700	0.31804025157
14459	-122.359	37.716	2171.669	2088534.909	6023927.502	0	RS-700	0.14886276730
14460	-122.359	37.716	2145.764	2088532.926	6023930.153	0	RS-700	-0.01406213836
14461	-122.359	37.716	2092.971	2088530.981	6023932.718	0	RS-700	-0.34609660377
14462	-122.359	37.716	2089.954	2088528.855	6023935.251	0	RS-700	-0.36506805031
14463	-122.359	37.716	2289.170	2088526.729	6023937.783	0	RS-700	0.88785924528
14464	-122.359	37.716	2133.871	2088524.602	6023940.374	0	RS-700	-0.08886477987
14465	-122.359	37.716	2189.893	2088522.727	6023943.085	0	RS-700	0.26347515723
14466	-122.359	37.716	2141.313	2088520.960	6023945.856	0	RS-700	-0.04205779874
14467	-122.359	37.716	2153.969	2088519.193	6023948.656	0	RS-700	0.03754358491
14468	-122.359	37.716	2234.226	2088517.031	6023951.159	0	RS-700	0.54230345912
14469	-122.359	37.716	2150.555	2088515.047	6023953.868	0	RS-700	0.01607132075
14470	-122.359	37.716	2180.672	2088512.955	6023956.488	0	RS-700	0.20548383648
14471	-122.359	37.716	2175.216	2088510.793	6023958.991	0	RS-700	0.17116836478
14472	-122.359	37.716	2202.790	2088508.558	6023961.522	0	RS-700	0.34458886793
14473	-122.359	37.716	2223.011	2088506.395	6023964.083	0	RS-700	0.47176459120
14474	-122.359	37.716	2245.615	2088504.124	6023966.526	0	RS-700	0.61393201258
14475	-122.359	37.716	2069.743	2088501.853	6023969.055	0	RS-700	-0.49218238994
14476	-122.359	37.716	2189.779	2088500.052	6023971.681	0	RS-700	0.26275949686
14477	-122.359	37.716	2246.252	2088497.996	6023974.389	0	RS-700	0.61793610063
14478	-122.359	37.716	2274.922	2088495.940	6023977.010	0	RS-700	0.79825465409
14479	-122.359	37.716	2216.017	2088493.848	6023979.687	0	RS-700	0.42778289308
14480	-122.359	37.716	2281.730	2088491.829	6023982.338	0	RS-700	0.84106849057
14481	-122.359	37.716	2233.912	2088489.773	6023984.988	0	RS-700	0.54032962264
14482	-122.359	37.716	2227.797	2088487.754	6023987.609	0	RS-700	0.50186635220
14483	-122.359	37.716	2137.765	2088485.769	6023990.376	0	RS-700	-0.06437201258
14484	-122.359	37.716	2186.222	2088483.675	6023993.141	0	RS-700	0.24038918239
14485	-122.359	37.716	2248.042	2088481.617	6023995.906	0	RS-700	0.62919591195
14486	-122.359	37.716	2226.016	2088479.414	6023998.640	0	RS-700	0.49066761006
14487	-122.359	37.716	2250.035	2088477.209	6024001.431	0	RS-700	0.64173213837
14488	-122.359	37.716	2246.256	2088474.899	6024004.076	0	RS-700	0.61796471698
14489	-122.359	37.716	2263.922	2088472.732	6024006.810	0	RS-700	0.72906981132

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14490	-122.359	37.716	2252.032	2088470.676	6024009.489	0	RS-700	0.65428660377
14491	-122.359	37.716	2142.659	2088468.435	6024012.308	0	RS-700	-0.03358981132
14492	-122.359	37.716	2142.548	2088466.303	6024015.101	0	RS-700	-0.03428930818
14493	-122.359	37.716	2168.776	2088468.588	6024019.284	0	RS-700	0.13066654088
14494	-122.359	37.716	2182.671	2088466.495	6024021.962	0	RS-700	0.21805559748
14495	-122.359	37.716	2163.992	2088464.475	6024024.641	0	RS-700	0.10057628931
14496	-122.359	37.716	2217.438	2088462.527	6024027.351	0	RS-700	0.43671647799
14497	-122.359	37.716	2227.690	2088460.468	6024030.174	0	RS-700	0.50119477987
14498	-122.359	37.716	2134.976	2088458.373	6024032.968	0	RS-700	-0.08191402516
14499	-122.359	37.716	2195.784	2088456.243	6024035.732	0	RS-700	0.30053037736
14500	-122.359	37.716	2116.971	2088454.151	6024038.352	0	RS-700	-0.19514786164
14501	-122.359	37.716	2077.068	2088452.168	6024041.032	0	RS-700	-0.44611528302
14502	-122.359	37.716	2134.553	2088450.185	6024043.683	0	RS-700	-0.08457547170
14503	-122.359	37.716	2080.851	2088448.274	6024046.365	0	RS-700	-0.42231849057
14504	-122.359	37.716	2129.655	2088446.437	6024048.990	0	RS-700	-0.11537779874
14505	-122.359	37.716	2140.551	2088444.674	6024051.587	0	RS-700	-0.04685163522
14506	-122.359	37.716	2042.827	2088443.177	6024053.641	0	RS-700	-0.66146433962
14507	-122.359	37.716	2069.573	2088441.829	6024055.465	0	RS-700	-0.49325352201
14508	-122.359	37.716	2090.539	2088441.492	6024057.773	0	RS-700	-0.36138823899
14509	-122.359	37.716	2008.214	2088442.105	6024059.926	0	RS-700	-0.87915452830
14510	-122.359	37.716	2036.033	2088443.243	6024061.280	0	RS-700	-0.70419364780
14511	-122.359	37.716	2045.835	2088444.863	6024062.238	0	RS-700	-0.64254515723
14512	-122.359	37.716	2076.639	2088446.487	6024062.993	0	RS-700	-0.44881446541
14513	-122.359	37.716	2102.649	2088448.609	6024064.337	0	RS-700	-0.28522893082
14514	-122.359	37.716	2119.180	2088451.096	6024065.660	0	RS-700	-0.18126081761
14515	-122.359	37.716	2072.533	2088453.690	6024067.042	0	RS-700	-0.47463327044
14516	-122.359	37.716	2086.957	2088456.122	6024067.495	0	RS-700	-0.38391987421
14517	-122.359	37.716	2031.834	2088458.435	6024066.529	0	RS-700	-0.73060251572
14518	-122.359	37.716	2158.768	2088460.441	6024064.572	0	RS-700	0.06772547170
14519	-122.359	37.716	2130.855	2088462.592	6024062.590	0	RS-700	-0.10782767296
14520	-122.359	37.716	2105.068	2088464.960	6024060.727	0	RS-700	-0.27001301887
14521	-122.359	37.716	2116.870	2088467.181	6024058.949	0	RS-700	-0.19578333333
14522	-122.359	37.716	2060.733	2088468.958	6024057.480	0	RS-700	-0.54885081761
14523	-122.359	37.716	2132.762	2088471.032	6024055.756	0	RS-700	-0.09583823899
14524	-122.359	37.716	2153.662	2088473.477	6024053.664	0	RS-700	0.03561000000
14525	-122.359	37.716	2172.997	2088475.887	6024051.484	0	RS-700	0.15721352201
14526	-122.359	37.716	2110.861	2088478.194	6024049.042	0	RS-700	-0.23358000000
14527	-122.359	37.716	2068.937	2088480.503	6024046.484	0	RS-700	-0.49724911950
14528	-122.359	37.716	2252.683	2088482.780	6024043.694	0	RS-700	0.65838320755
14529	-122.359	37.716	2132.443	2088484.947	6024040.931	0	RS-700	-0.09784591195
14530	-122.359	37.716	2213.125	2088487.115	6024038.110	0	RS-700	0.40959383648
14531	-122.359	37.716	2265.492	2088489.282	6024035.375	0	RS-700	0.73894257862
14532	-122.359	37.716	2138.757	2088491.449	6024032.612	0	RS-700	-0.05813415094
14533	-122.359	37.716	2207.233	2088493.724	6024029.938	0	RS-700	0.37253465409
14534	-122.359	37.716	2247.356	2088495.965	6024027.118	0	RS-700	0.62488031447

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14535	-122.359	37.716	2262.032	2088498.023	6024024.324	0	RS-700	0.71718459120
14536	-122.359	37.716	2218.590	2088500.191	6024021.532	0	RS-700	0.44396238994
14537	-122.359	37.716	2272.717	2088502.611	6024018.889	0	RS-700	0.78438150943
14538	-122.359	37.716	2207.894	2088504.957	6024016.303	0	RS-700	0.37668968554
14539	-122.359	37.716	2219.237	2088507.410	6024013.806	0	RS-700	0.44803433962
14540	-122.359	37.716	2279.810	2088509.683	6024011.218	0	RS-700	0.82899377359
14541	-122.359	37.716	2208.903	2088511.774	6024008.627	0	RS-700	0.38303484277
14542	-122.359	37.716	2204.891	2088513.866	6024005.978	0	RS-700	0.35780270440
14543	-122.359	37.716	2191.330	2088515.738	6024003.383	0	RS-700	0.27251805031
14544	-122.359	37.716	2167.885	2088517.798	6024000.531	0	RS-700	0.12506276730
14545	-122.359	37.716	2233.133	2088519.784	6023997.706	0	RS-700	0.53542716981
14546	-122.359	37.716	2238.800	2088522.093	6023995.148	0	RS-700	0.57106729560
14547	-122.359	37.716	2221.577	2088524.400	6023992.677	0	RS-700	0.46274559748
14548	-122.359	37.716	2147.990	2088526.707	6023990.206	0	RS-700	-0.00006062893
14549	-122.359	37.716	2181.891	2088529.088	6023987.707	0	RS-700	0.21314805031
14550	-122.359	37.716	2129.079	2088531.394	6023985.265	0	RS-700	-0.11899723270
14551	-122.359	37.716	2178.670	2088533.702	6023982.736	0	RS-700	0.19289283019
14552	-122.359	37.716	2226.676	2088535.902	6023980.176	0	RS-700	0.49481761006
14553	-122.359	37.716	2207.031	2088537.996	6023977.440	0	RS-700	0.37126698113
14554	-122.359	37.716	2188.559	2088539.873	6023974.584	0	RS-700	0.25508974843
14555	-122.359	37.716	2181.664	2088541.534	6023971.666	0	RS-700	0.21172201258
14556	-122.359	37.716	2271.702	2088543.157	6023968.777	0	RS-700	0.77800025157
14557	-122.359	37.716	2193.887	2088544.997	6023966.007	0	RS-700	0.28859993711
14558	-122.359	37.716	2202.674	2088547.343	6023963.392	0	RS-700	0.34386364780
14559	-122.359	37.716	2233.245	2088549.692	6023960.661	0	RS-700	0.53612930818
14560	-122.359	37.716	2176.558	2088552.004	6023957.959	0	RS-700	0.17960949686
14561	-122.359	37.716	2116.543	2088554.315	6023955.285	0	RS-700	-0.19784547170
14562	-122.359	37.716	2109.176	2088556.662	6023952.612	0	RS-700	-0.24417911950
14563	-122.359	37.716	2217.790	2088558.974	6023949.910	0	RS-700	0.43892974843
14564	-122.359	37.716	2308.043	2088561.250	6023947.149	0	RS-700	1.00656150943
14565	-122.359	37.716	2260.696	2088563.420	6023944.270	0	RS-700	0.70877930818
14566	-122.359	37.716	2239.923	2088565.516	6023941.418	0	RS-700	0.57812937107
14567	-122.359	37.716	2256.176	2088567.790	6023938.773	0	RS-700	0.68035245283
14568	-122.359	37.716	2241.252	2088569.883	6023936.095	0	RS-700	0.58649163522
14569	-122.359	37.716	2157.449	2088571.978	6023933.301	0	RS-700	0.05942591195
14570	-122.359	37.716	2272.263	2088574.037	6023930.449	0	RS-700	0.78152962264
14571	-122.359	37.716	2283.510	2088576.167	6023927.714	0	RS-700	0.85226635220
14572	-122.359	37.716	2358.844	2088578.407	6023924.981	0	RS-700	1.32606553459
14573	-122.359	37.716	2297.825	2088580.719	6023922.279	0	RS-700	0.94229251572
14574	-122.359	37.716	2350.956	2088582.922	6023919.545	0	RS-700	1.27645383648
14575	-122.359	37.716	2249.166	2088585.160	6023916.870	0	RS-700	0.63626144654
14576	-122.359	37.716	2236.254	2088587.290	6023914.135	0	RS-700	0.55505672956
14577	-122.359	37.716	2142.088	2088589.385	6023911.342	0	RS-700	-0.03718119497
14578	-122.359	37.716	2127.331	2088591.335	6023908.516	0	RS-700	-0.12999113208
14579	-122.359	37.716	2181.894	2088593.467	6023905.695	0	RS-700	0.21316729560

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14580	-122.359	37.716	2106.647	2088595.525	6023902.929	0	RS-700	-0.26007930818
14581	-122.359	37.716	2057.535	2088597.762	6023900.341	0	RS-700	-0.56896484277
14582	-122.359	37.716	2262.607	2088599.817	6023897.720	0	RS-700	0.72079911950
14583	-122.359	37.716	2119.745	2088601.838	6023894.983	0	RS-700	-0.17770182390
14584	-122.359	37.716	2160.556	2088603.897	6023892.160	0	RS-700	0.07897012579
14585	-122.359	37.716	2218.011	2088605.991	6023889.395	0	RS-700	0.44032012579
14586	-122.359	37.716	2170.443	2088608.121	6023886.689	0	RS-700	0.14115289308
14587	-122.359	37.716	2159.991	2088610.285	6023884.099	0	RS-700	0.07541547170
14588	-122.359	37.716	2177.776	2088612.374	6023881.595	0	RS-700	0.18727075472
14589	-122.359	37.716	2221.460	2088614.391	6023879.060	0	RS-700	0.46201169811
14590	-122.359	37.716	2138.408	2088616.225	6023876.551	0	RS-700	-0.06032962264
14591	-122.359	37.716	2247.153	2088618.097	6023874.013	0	RS-700	0.62360578616
14592	-122.359	37.716	2283.471	2088619.969	6023871.417	0	RS-700	0.85202094340
14593	-122.359	37.716	2292.366	2088621.878	6023868.823	0	RS-700	0.90796031447
14594	-122.359	37.716	2214.795	2088623.786	6023866.286	0	RS-700	0.42009333333
14595	-122.359	37.716	2207.792	2088625.617	6023863.950	0	RS-700	0.37605069182
14596	-122.359	37.716	2187.110	2088627.410	6023861.700	0	RS-700	0.24597257862
14597	-122.359	37.716	2144.770	2088629.090	6023859.592	0	RS-700	-0.02031647799
14598	-122.359	37.716	2065.943	2088630.958	6023857.257	0	RS-700	-0.51608006289
14599	-122.359	37.716	2117.439	2088633.010	6023854.752	0	RS-700	-0.19220735849
14600	-122.359	37.716	2170.334	2088635.066	6023852.131	0	RS-700	0.14046421384
14601	-122.359	37.716	2126.442	2088637.048	6023849.509	0	RS-700	-0.13558723270
14602	-122.359	37.716	1784.461	2088638.597	6023846.676	0	RS-700	-2.28640716981
14603	-122.359	37.716	1042.006	2088640.365	6023843.847	0	RS-700	-6.95593974843
14604	-122.360	37.716	1767.195	2088642.351	6023841.080	0	RS-700	-2.39499698113
14605	-122.360	37.716	2185.010	2088644.256	6023838.659	0	RS-700	0.23276427673
14606	-122.360	37.716	2203.895	2088646.343	6023836.241	0	RS-700	0.35153968554
14607	-122.360	37.716	2312.710	2088648.436	6023833.563	0	RS-700	1.03591484277
14608	-122.360	37.716	2167.451	2088650.384	6023830.825	0	RS-700	0.12233559748
14609	-122.360	37.716	2071.944	2088652.150	6023828.111	0	RS-700	-0.47833823899
14610	-122.360	37.716	2064.051	2088653.916	6023825.369	0	RS-700	-0.52798100629
14611	-122.360	37.716	2157.774	2088655.717	6023822.714	0	RS-700	0.06147308176
14612	-122.360	37.716	2147.531	2088657.733	6023820.237	0	RS-700	-0.00294817610
14613	-122.360	37.716	2134.652	2088659.602	6023817.815	0	RS-700	-0.08395157233
14614	-122.360	37.716	2141.660	2088661.469	6023815.480	0	RS-700	-0.03987176101
14615	-122.360	37.716	2152.438	2088663.228	6023813.114	0	RS-700	0.02791364780
14616	-122.360	37.716	2138.874	2088664.878	6023810.745	0	RS-700	-0.05739603774
14617	-122.360	37.716	2240.911	2088666.560	6023808.551	0	RS-700	0.58434522013
14618	-122.360	37.716	2134.448	2088668.128	6023806.644	0	RS-700	-0.08523503145
14619	-122.360	37.716	2173.105	2088669.356	6023805.309	0	RS-700	0.15789339623
14620	-122.360	37.716	2274.469	2088670.139	6023804.370	0	RS-700	0.79540062893
14621	-122.360	37.716	2201.005	2088670.141	6023804.283	0	RS-700	0.33336685535
14622	-122.360	37.716	2200.137	2088669.914	6023804.712	0	RS-700	0.32790477987
14623	-122.360	37.716	2142.875	2088669.803	6023804.797	0	RS-700	-0.03223566038
14624	-122.360	37.716	2271.043	2088669.840	6023804.769	0	RS-700	0.77385572327

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14625	-122.360	37.716	2265.925	2088669.840	6023804.769	0	RS-700	0.74166522013
14626	-122.360	37.716	2231.574	2088669.804	6023804.739	0	RS-700	0.52562534591
14627	-122.360	37.716	2127.187	2088669.768	6023804.738	0	RS-700	-0.13089830189
14628	-122.360	37.716	2190.098	2088669.768	6023804.738	0	RS-700	0.26476817610
14629	-122.360	37.717	2154.657	2088715.055	6023754.315	0	RS-700	0.04187100629
14630	-122.360	37.717	2096.435	2088715.092	6023754.316	0	RS-700	-0.32430654088
14631	-122.360	37.717	2164.558	2088715.055	6023754.315	0	RS-700	0.10414018868
14632	-122.360	37.717	2124.226	2088715.092	6023754.316	0	RS-700	-0.14952088050
14633	-122.360	37.717	2107.652	2088715.055	6023754.315	0	RS-700	-0.25376276730
14634	-122.360	37.717	1997.413	2088715.056	6023754.286	0	RS-700	-0.94708622642
14635	-122.360	37.717	2157.665	2088715.055	6023754.344	0	RS-700	0.06078836478
14636	-122.360	37.717	2180.891	2088715.018	6023754.344	0	RS-700	0.20685893082
14637	-122.360	37.717	2085.845	2088715.018	6023754.344	0	RS-700	-0.39091484277
14638	-122.360	37.717	2181.895	2088714.907	6023754.428	0	RS-700	0.21317654088
14639	-122.360	37.717	2137.656	2088714.610	6023754.740	0	RS-700	-0.06505691824
14640	-122.360	37.717	2200.678	2088714.574	6023754.711	0	RS-700	0.33130559748
14641	-122.360	37.717	2170.442	2088714.574	6023754.740	0	RS-700	0.14114773585
14642	-122.360	37.717	2011.141	2088714.610	6023754.740	0	RS-700	-0.86074962264
14643	-122.360	37.717	2182.000	2088714.610	6023754.740	0	RS-700	0.21383597484
14644	-122.360	37.717	2168.994	2088714.610	6023754.740	0	RS-700	0.13203811321
14645	-122.360	37.717	2171.884	2088714.610	6023754.712	0	RS-700	0.15021150943
14646	-122.360	37.717	2063.046	2088714.646	6023754.741	0	RS-700	-0.53430308176
14647	-122.360	37.717	2213.775	2088714.646	6023754.741	0	RS-700	0.41367886793
14648	-122.360	37.717	2234.686	2088714.646	6023754.741	0	RS-700	0.54519779874
14649	-122.360	37.717	2227.136	2088714.683	6023754.742	0	RS-700	0.49771352201
14650	-122.360	37.717	2138.192	2088714.647	6023754.712	0	RS-700	-0.06168710692
14651	-122.360	37.717	2259.820	2088714.683	6023754.713	0	RS-700	0.70327320755
14652	-122.360	37.717	2150.991	2088714.683	6023754.713	0	RS-700	0.01881402516
14653	-122.360	37.717	2137.758	2088714.719	6023754.743	0	RS-700	-0.06441811321
14654	-122.360	37.717	2150.984	2088714.719	6023754.743	0	RS-700	0.01876924528
14655	-122.360	37.717	2135.871	2088714.720	6023754.714	0	RS-700	-0.07628113208
14656	-122.360	37.717	2149.789	2088714.756	6023754.743	0	RS-700	0.01125050314
14657	-122.360	37.717	2095.861	2088714.756	6023754.714	0	RS-700	-0.32791949686
14658	-122.360	37.717	2192.119	2088714.756	6023754.743	0	RS-700	0.27747666667
14659	-122.360	37.717	2137.520	2088714.756	6023754.714	0	RS-700	-0.06591157233
14660	-122.360	37.717	2114.866	2088714.756	6023754.743	0	RS-700	-0.20839081761
14661	-122.360	37.717	2110.072	2088714.792	6023754.744	0	RS-700	-0.23854245283
14662	-122.360	37.717	2064.846	2088714.792	6023754.744	0	RS-700	-0.52298339623
14663	-122.360	37.717	2127.409	2088714.606	6023754.914	0	RS-700	-0.12950251572
14664	-122.360	37.717	2123.654	2088714.308	6023755.284	0	RS-700	-0.15312018868
14665	-122.360	37.717	2112.651	2088714.344	6023755.285	0	RS-700	-0.22232371069
14666	-122.360	37.717	2131.868	2088714.382	6023755.199	0	RS-700	-0.10145748428
14667	-122.360	37.717	2250.593	2088714.418	6023755.229	0	RS-700	0.64524081761
14668	-122.360	37.717	2139.660	2088714.419	6023755.200	0	RS-700	-0.05245547170
14669	-122.360	37.717	2175.324	2088714.456	6023755.171	0	RS-700	0.17184855346

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14670	-122.360	37.717	2041.627	2088714.530	6023755.115	0	RS-700	-0.66901446541
14671	-122.360	37.717	2126.197	2088714.492	6023755.172	0	RS-700	-0.13712817610
14672	-122.360	37.717	2129.981	2088714.269	6023755.399	0	RS-700	-0.11332515723
14673	-122.360	37.717	2185.678	2088714.232	6023755.427	0	RS-700	0.23697094340
14674	-122.360	37.717	2177.214	2088714.232	6023755.456	0	RS-700	0.18373660377
14675	-122.360	37.717	2152.651	2088714.195	6023755.484	0	RS-700	0.02925006289
14676	-122.360	37.717	2143.761	2088714.195	6023755.484	0	RS-700	-0.02666037736
14677	-122.360	37.717	2153.208	2088714.195	6023755.484	0	RS-700	0.03275238994
14678	-122.360	37.717	2134.830	2088714.158	6023755.484	0	RS-700	-0.08283062893
14679	-122.360	37.717	2090.329	2088714.158	6023755.513	0	RS-700	-0.36270918239
14680	-122.360	37.717	2156.654	2088714.158	6023755.513	0	RS-700	0.05442792453
14681	-122.360	37.717	2118.075	2088714.156	6023755.570	0	RS-700	-0.18820446541
14682	-122.360	37.717	2060.939	2088714.007	6023755.741	0	RS-700	-0.54755522013
14683	-122.360	37.717	2134.977	2088713.636	6023756.110	0	RS-700	-0.08190327044
14684	-122.360	37.717	2114.760	2088713.113	6023756.765	0	RS-700	-0.20905761006
14685	-122.360	37.717	2042.933	2088712.773	6023757.395	0	RS-700	-0.66079710692
14686	-122.360	37.717	2155.315	2088712.243	6023758.368	0	RS-700	0.04600591195
14687	-122.360	37.717	2160.668	2088711.868	6023758.910	0	RS-700	0.07967264151
14688	-122.360	37.717	2163.665	2088711.150	6023760.226	0	RS-700	0.09852377358
14689	-122.360	37.717	2123.673	2088710.101	6023761.710	0	RS-700	-0.15299974843
14690	-122.360	37.717	2042.936	2088708.867	6023763.334	0	RS-700	-0.66077817610
14691	-122.360	37.717	2121.654	2088707.562	6023764.871	0	RS-700	-0.16569616352
14692	-122.360	37.717	2161.773	2088706.255	6023766.494	0	RS-700	0.08662308176
14693	-122.360	37.717	2175.999	2088705.169	6023767.977	0	RS-700	0.17609352201
14694	-122.360	37.717	2155.665	2088704.644	6023768.776	0	RS-700	0.04820452830
14695	-122.360	37.717	2221.461	2088704.530	6023768.977	0	RS-700	0.46201886793
14696	-122.360	37.717	2277.816	2088704.531	6023768.948	0	RS-700	0.81645295598
14697	-122.360	37.717	2209.792	2088704.531	6023768.948	0	RS-700	0.38862767296
14698	-122.360	37.717	2061.634	2088704.568	6023768.919	0	RS-700	-0.54318358491
14699	-122.360	37.717	2215.894	2088704.604	6023768.920	0	RS-700	0.42700320755
14700	-122.360	37.717	2206.227	2088704.568	6023768.919	0	RS-700	0.36620918239
14701	-122.360	37.717	2183.891	2088704.604	6023768.920	0	RS-700	0.22572924528
14702	-122.360	37.717	2207.882	2088704.567	6023768.948	0	RS-700	0.37661754717
14703	-122.360	37.717	2098.744	2088704.604	6023768.949	0	RS-700	-0.30978308176
14704	-122.360	37.717	2122.395	2088704.567	6023768.977	0	RS-700	-0.16103748428
14705	-122.360	37.717	2203.683	2088704.491	6023769.120	0	RS-700	0.35020509434
14706	-122.360	37.717	2126.078	2088704.191	6023769.577	0	RS-700	-0.13787176101
14707	-122.360	37.717	2154.673	2088703.964	6023770.007	0	RS-700	0.04196779874
14708	-122.360	37.717	2143.556	2088703.664	6023770.435	0	RS-700	-0.02795119497
14709	-122.360	37.717	2141.987	2088703.437	6023770.835	0	RS-700	-0.03781666667
14710	-122.360	37.717	2212.127	2088702.907	6023771.866	0	RS-700	0.40331471698
14711	-122.360	37.717	2155.770	2088702.073	6023773.528	0	RS-700	0.04886867925
14712	-122.360	37.717	2171.105	2088701.093	6023775.157	0	RS-700	0.14531213837
14713	-122.360	37.716	2196.875	2088699.892	6023776.985	0	RS-700	0.30739125786
14714	-122.360	37.716	2063.148	2088698.541	6023778.983	0	RS-700	-0.53366238994

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14715	-122.360	37.716	2129.957	2088697.231	6023780.751	0	RS-700	-0.11347496855
14716	-122.360	37.716	2142.449	2088696.070	6023782.377	0	RS-700	-0.03491283019
14717	-122.360	37.716	2194.774	2088694.837	6023783.944	0	RS-700	0.29417761006
14718	-122.360	37.716	2307.929	2088693.344	6023785.765	0	RS-700	1.00584150943
14719	-122.360	37.716	2225.686	2088691.594	6023787.698	0	RS-700	0.48859364780
14720	-122.360	37.716	2221.461	2088689.878	6023789.718	0	RS-700	0.46201748428
14721	-122.360	37.716	2186.905	2088688.232	6023791.913	0	RS-700	0.24468471698
14722	-122.360	37.716	2392.373	2088686.839	6023794.200	0	RS-700	0.57587351906
14723	-122.360	37.716	2468.619	2088685.746	6023796.087	0	RS-700	0.79947055719
14724	-122.360	37.716	2651.820	2088685.133	6023797.608	0	RS-700	1.33671548387
14725	-122.360	37.716	2232.455	2088684.414	6023798.954	0	RS-700	0.10690577713
14726	-122.360	37.716	1896.393	2088683.289	6023800.581	0	RS-700	-0.87861249267
14727	-122.360	37.716	1641.488	2088678.988	6023800.755	0	RS-700	-1.62613609971
14728	-122.360	37.716	2244.364	2088681.181	6023804.039	0	RS-700	0.14182997067
14729	-122.360	37.716	2544.283	2088679.831	6023806.009	0	RS-700	1.02135856305
14730	-122.360	37.716	2326.833	2088678.222	6023808.175	0	RS-700	0.38367486804
14731	-122.360	37.716	2223.466	2088676.388	6023810.627	0	RS-700	0.47463094340
14732	-122.360	37.716	2180.662	2088674.965	6023812.624	0	RS-700	0.20542232704
14733	-122.360	37.716	2192.783	2088673.848	6023813.846	0	RS-700	0.28165433962
14734	-122.360	37.716	2083.261	2088673.176	6023814.671	0	RS-700	-0.40716566038
14735	-122.360	37.716	2142.089	2088672.321	6023815.551	0	RS-700	-0.03717723270
14736	-122.360	37.716	2135.749	2088671.323	6023816.284	0	RS-700	-0.07705044025
14737	-122.360	37.716	2141.455	2088670.145	6023816.897	0	RS-700	-0.04116150943
14738	-122.360	37.716	2186.558	2088669.373	6023817.257	0	RS-700	0.24250081761
14739	-122.360	37.716	2139.552	2088667.721	6023817.919	0	RS-700	-0.05313012579
14740	-122.360	37.716	2071.560	2088665.446	6023818.799	0	RS-700	-0.48075559748
14741	-122.360	37.716	2177.999	2088662.983	6023819.966	0	RS-700	0.18867289308
14742	-122.360	37.716	2218.349	2088660.624	6023821.365	0	RS-700	0.44244345912
14743	-122.360	37.716	2186.999	2088658.268	6023822.649	0	RS-700	0.24527855346
14744	-122.360	37.716	2120.758	2088655.738	6023823.496	0	RS-700	-0.17133484277
14745	-122.360	37.716	2143.993	2088653.288	6023823.968	0	RS-700	-0.02519943396
14746	-122.360	37.716	2189.228	2088650.589	6023824.204	0	RS-700	0.25929723270
14747	-122.360	37.716	2227.909	2088647.708	6023824.378	0	RS-700	0.50256949686
14748	-122.360	37.716	2223.681	2088641.210	6023823.323	0	RS-700	0.47598226415
14749	-122.360	37.716	2236.141	2088638.256	6023823.553	0	RS-700	0.55434433962
14750	-122.360	37.716	2190.897	2088635.448	6023823.729	0	RS-700	0.26979308176
14751	-122.360	37.716	2215.568	2088636.403	6023825.137	0	RS-700	0.42495823899
14752	-122.360	37.716	2251.263	2088634.095	6023825.843	0	RS-700	0.64945591195
14753	-122.360	37.716	2120.299	2088632.290	6023826.849	0	RS-700	-0.17421704403
14754	-122.360	37.716	2179.889	2088631.323	6023827.871	0	RS-700	0.20056182390
14755	-122.360	37.716	2188.675	2088630.838	6023828.469	0	RS-700	0.25582037736
14756	-122.360	37.716	1991.716	2088630.315	6023829.124	0	RS-700	-0.98292075472
14757	-122.360	37.716	2016.132	2088630.016	6023829.523	0	RS-700	-0.82936138365
14758	-122.360	37.716	1994.724	2088630.129	6023829.323	0	RS-700	-0.96400062893
14759	-122.360	37.716	1844.787	2088629.569	6023830.006	0	RS-700	-1.90699911950

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14760	-122.360	37.716	1615.661	2088628.973	6023830.659	0	RS-700	-3.34804704403
14761	-122.360	37.716	1489.403	2088628.602	6023831.028	0	RS-700	-4.14211672956
14762	-122.360	37.716	1419.300	2088628.380	6023831.197	0	RS-700	-4.58302150943
14763	-122.360	37.716	1233.503	2088627.780	6023832.053	0	RS-700	-5.75155213836
14764	-122.360	37.716	1277.585	2088626.995	6023833.079	0	RS-700	-5.47430811321
14765	-122.360	37.716	1205.251	2088626.544	6023833.765	0	RS-700	-5.92924113208
14766	-122.360	37.716	1447.377	2088625.756	6023834.964	0	RS-700	-4.40643144654
14767	-122.360	37.716	1890.850	2088624.814	6023836.537	0	RS-700	-1.61729528302
14768	-122.360	37.716	1974.783	2088623.795	6023838.339	0	RS-700	-1.08941301887
14769	-122.360	37.716	2068.155	2088622.784	6023839.708	0	RS-700	-0.50217113208
14770	-122.360	37.716	2065.240	2088622.073	6023840.677	0	RS-700	-0.52050358491
14771	-122.360	37.716	2106.649	2088622.224	6023840.420	0	RS-700	-0.26007119497
14772	-122.360	37.716	2074.536	2088622.600	6023839.820	0	RS-700	-0.46203597484
14773	-122.360	37.716	2137.647	2088622.638	6023839.762	0	RS-700	-0.06511339623
14774	-122.360	37.716	2047.633	2088622.637	6023839.791	0	RS-700	-0.63123968554
14775	-122.360	37.716	2048.149	2088622.601	6023839.762	0	RS-700	-0.62799572327
14776	-122.360	37.716	2081.056	2088622.565	6023839.732	0	RS-700	-0.42103050315
14777	-122.360	37.716	2150.664	2088622.565	6023839.732	0	RS-700	0.01675427673
14778	-122.360	37.716	2091.327	2088622.565	6023839.732	0	RS-700	-0.35643207547
14779	-122.360	37.716	2102.489	2088622.530	6023839.702	0	RS-700	-0.28623377359
14780	-122.360	37.716	2217.130	2088622.530	6023839.702	0	RS-700	0.43477698113
14781	-122.360	37.716	2127.976	2088622.457	6023839.672	0	RS-700	-0.12593647799
14782	-122.360	37.716	2052.524	2088622.385	6023839.671	0	RS-700	-0.60048081761
14783	-122.360	37.716	2082.966	2088622.421	6023839.671	0	RS-700	-0.40902069182
14784	-122.360	37.716	2072.531	2088622.384	6023839.700	0	RS-700	-0.47464522013
14785	-122.360	37.716	2075.953	2088622.384	6023839.700	0	RS-700	-0.45312383648
14786	-122.360	37.716	2171.449	2088622.385	6023839.671	0	RS-700	0.14747830189
14787	-122.360	37.716	2106.759	2088622.385	6023839.671	0	RS-700	-0.25938050315
14788	-122.360	37.716	2177.561	2088622.384	6023839.700	0	RS-700	0.18591584906
14789	-122.360	37.716	2169.432	2088622.383	6023839.728	0	RS-700	0.13479446541
14790	-122.360	37.716	2088.480	2088622.420	6023839.729	0	RS-700	-0.37434194969
14791	-122.360	37.716	2082.267	2088622.383	6023839.728	0	RS-700	-0.41341584906
14792	-122.360	37.716	2080.948	2088622.383	6023839.757	0	RS-700	-0.42171157233
14793	-122.360	37.716	2140.874	2088622.383	6023839.757	0	RS-700	-0.04481603774
14794	-122.360	37.716	2079.956	2088622.382	6023839.786	0	RS-700	-0.42795000000
14795	-122.360	37.716	2022.824	2088622.418	6023839.816	0	RS-700	-0.78727025157
14796	-122.360	37.716	2164.998	2088622.418	6023839.816	0	RS-700	0.10690742138
14797	-122.360	37.716	2113.834	2088622.454	6023839.846	0	RS-700	-0.21487918239
14798	-122.360	37.716	2099.645	2088622.454	6023839.846	0	RS-700	-0.30411968554
14799	-122.360	37.716	2082.639	2088622.453	6023839.875	0	RS-700	-0.41107339623
14800	-122.360	37.716	2133.549	2088622.453	6023839.875	0	RS-700	-0.09088459120
14801	-122.360	37.716	2114.440	2088622.417	6023839.874	0	RS-700	-0.21107163522
14802	-122.360	37.716	2077.745	2088622.453	6023839.875	0	RS-700	-0.44185672956
14803	-122.360	37.716	2110.959	2088622.453	6023839.903	0	RS-700	-0.23296081761
14804	-122.360	37.716	2122.653	2088622.154	6023840.274	0	RS-700	-0.15941811321



**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14805	-122.360	37.716	2057.434	2088621.781	6023840.729	0	RS-700	-0.56959584906
14806	-122.360	37.716	2035.730	2088621.892	6023840.644	0	RS-700	-0.70610358491
14807	-122.360	37.716	2022.826	2088622.041	6023840.445	0	RS-700	-0.78726056604
14808	-122.360	37.716	2070.644	2088622.191	6023840.245	0	RS-700	-0.48651823899
14809	-122.360	37.716	2083.637	2088622.302	6023840.161	0	RS-700	-0.40479880503
14810	-122.360	37.716	2143.660	2088622.376	6023840.104	0	RS-700	-0.02729591195
14811	-122.360	37.716	2140.769	2088622.376	6023840.104	0	RS-700	-0.04547779874
14812	-122.360	37.716	2028.727	2088622.376	6023840.104	0	RS-700	-0.75014767296
14813	-122.360	37.716	2099.966	2088622.376	6023840.104	0	RS-700	-0.30210113208
14814	-122.360	37.716	2040.731	2088622.376	6023840.075	0	RS-700	-0.67464811321
14815	-122.360	37.716	2064.851	2088622.376	6023840.104	0	RS-700	-0.52294955975
14816	-122.360	37.716	2205.008	2088622.412	6023840.134	0	RS-700	0.35854157233
14817	-122.360	37.716	2070.536	2088622.411	6023840.163	0	RS-700	-0.48719635220
14818	-122.360	37.716	2077.650	2088622.412	6023840.134	0	RS-700	-0.44245056604
14819	-122.360	37.716	2080.328	2088622.339	6023840.133	0	RS-700	-0.42561069182
14820	-122.360	37.716	2088.168	2088622.261	6023840.391	0	RS-700	-0.37630132076
14821	-122.360	37.716	1999.614	2088621.776	6023840.960	0	RS-700	-0.93324308176
14822	-122.360	37.716	1947.879	2088621.255	6023841.529	0	RS-700	-1.25862496855
14823	-122.359	37.716	1600.494	2088620.845	6023842.012	0	RS-700	-3.44343232704
14824	-122.359	37.716	1476.690	2088619.991	6023842.805	0	RS-700	-4.22207534591
14825	-122.359	37.716	1712.530	2088619.323	6023843.458	0	RS-700	-2.73880345912
14826	-122.359	37.716	1842.381	2088618.766	6023843.996	0	RS-700	-1.92213320755
14827	-122.359	37.716	1864.484	2088618.617	6023844.138	0	RS-700	-1.78311805031
14828	-122.359	37.716	1760.365	2088618.656	6023844.052	0	RS-700	-2.43795786164
14829	-122.359	37.716	1860.575	2088618.656	6023844.052	0	RS-700	-1.80770207547
14830	-122.359	37.716	1842.930	2088618.656	6023844.052	0	RS-700	-1.91867937107
14831	-122.359	37.716	1803.374	2088618.656	6023844.052	0	RS-700	-2.16745679245
14832	-122.359	37.716	1923.108	2088618.692	6023844.053	0	RS-700	-1.41441459119
14833	-122.359	37.716	1820.737	2088618.692	6023844.053	0	RS-700	-2.05825723270
14834	-122.359	37.716	1858.469	2088618.655	6023844.081	0	RS-700	-1.82094955975
14835	-122.359	37.716	1927.596	2088618.655	6023844.081	0	RS-700	-1.38618767296
14836	-122.359	37.716	1834.655	2088618.655	6023844.081	0	RS-700	-1.97072333333
14837	-122.359	37.716	1823.469	2088618.655	6023844.081	0	RS-700	-2.04107377358
14838	-122.359	37.716	1839.478	2088618.655	6023844.081	0	RS-700	-1.94039094340
14839	-122.359	37.716	1884.868	2088618.655	6023844.081	0	RS-700	-1.65491616352
14840	-122.359	37.716	1776.722	2088618.655	6023844.081	0	RS-700	-2.33508163522
14841	-122.359	37.716	1882.874	2088618.654	6023844.110	0	RS-700	-1.66745761006
14842	-122.359	37.716	1860.222	2088618.654	6023844.110	0	RS-700	-1.80992559748
14843	-122.359	37.716	1801.284	2088618.654	6023844.110	0	RS-700	-2.18060691824
14844	-122.359	37.716	1885.581	2088618.654	6023844.110	0	RS-700	-1.65043283019
14845	-122.359	37.716	1871.764	2088618.654	6023844.110	0	RS-700	-1.73733081761
14846	-122.359	37.716	1848.568	2088618.618	6023844.109	0	RS-700	-1.88321754717
14847	-122.359	37.716	1909.589	2088618.507	6023844.194	0	RS-700	-1.49943981132
14848	-122.359	37.716	1957.702	2088618.359	6023844.335	0	RS-700	-1.19684025157
14849	-122.359	37.716	2093.541	2088617.581	6023844.956	0	RS-700	-0.34250905660

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14850	-122.359	37.716	2043.731	2088616.510	6023845.745	0	RS-700	-0.65578031447
14851	-122.359	37.716	2074.740	2088615.440	6023846.418	0	RS-700	-0.46075270440
14852	-122.359	37.716	2053.530	2088614.591	6023846.980	0	RS-700	-0.59414981132
14853	-122.359	37.716	2114.440	2088613.962	6023847.488	0	RS-700	-0.21107056604
14854	-122.359	37.716	2151.984	2088612.966	6023848.134	0	RS-700	0.02505345912
14855	-122.359	37.716	2096.459	2088612.633	6023848.388	0	RS-700	-0.32415943396
14856	-122.359	37.716	1984.395	2088612.671	6023848.330	0	RS-700	-1.02896540881
14857	-122.359	37.716	2084.059	2088612.708	6023848.302	0	RS-700	-0.40214421384
14858	-122.359	37.716	2092.947	2088612.745	6023848.274	0	RS-700	-0.34624377359
14859	-122.359	37.716	2103.068	2088612.782	6023848.246	0	RS-700	-0.28259037736
14860	-122.359	37.716	2082.439	2088612.855	6023848.218	0	RS-700	-0.41233477987
14861	-122.359	37.716	2155.092	2088612.855	6023848.218	0	RS-700	0.04460415094
14862	-122.359	37.716	2017.522	2088612.819	6023848.189	0	RS-700	-0.82061591195
14863	-122.359	37.716	2057.147	2088612.819	6023848.218	0	RS-700	-0.57140044025
14864	-122.359	37.716	2077.745	2088612.855	6023848.218	0	RS-700	-0.44185345912
14865	-122.359	37.716	2043.345	2088612.818	6023848.247	0	RS-700	-0.65820566038
14866	-122.359	37.716	2070.953	2088612.819	6023848.218	0	RS-700	-0.48456962264
14867	-122.359	37.716	2091.755	2088612.819	6023848.218	0	RS-700	-0.35374333333
14868	-122.359	37.716	2059.048	2088612.819	6023848.218	0	RS-700	-0.55944905660
14869	-122.359	37.716	2034.045	2088612.819	6023848.218	0	RS-700	-0.71670031447
14870	-122.359	37.716	2118.867	2088612.818	6023848.247	0	RS-700	-0.18322459120
14871	-122.359	37.716	2041.524	2088612.782	6023848.246	0	RS-700	-0.66965937107
14872	-122.359	37.716	2096.275	2088612.819	6023848.189	0	RS-700	-0.32531465409
14873	-122.359	37.716	2144.980	2088612.746	6023848.216	0	RS-700	-0.01899452830
14874	-122.359	37.716	2084.475	2088612.451	6023848.413	0	RS-700	-0.39952842767
14875	-122.359	37.716	2002.017	2088611.382	6023849.057	0	RS-700	-0.91813515723
14876	-122.359	37.716	2168.776	2088609.797	6023849.980	0	RS-700	0.13066553459
14877	-122.359	37.716	2167.872	2088608.322	6023850.906	0	RS-700	0.12498182390
14878	-122.359	37.716	2130.761	2088606.734	6023852.002	0	RS-700	-0.10842182390
14879	-122.359	37.716	2181.566	2088604.997	6023853.270	0	RS-700	0.21110622642
14880	-122.359	37.716	2139.875	2088603.299	6023854.422	0	RS-700	-0.05109861635
14881	-122.359	37.716	2226.460	2088601.821	6023855.492	0	RS-700	0.49345817610
14882	-122.359	37.716	2127.655	2088600.523	6023856.652	0	RS-700	-0.12795880503
14883	-122.359	37.716	2134.553	2088599.483	6023857.702	0	RS-700	-0.08457000000
14884	-122.359	37.716	2122.545	2088598.004	6023858.830	0	RS-700	-0.16009163522
14885	-122.359	37.716	2214.900	2088596.300	6023860.243	0	RS-700	0.42075415094
14886	-122.359	37.716	2119.545	2088594.891	6023861.546	0	RS-700	-0.17896037736
14887	-122.359	37.716	2207.888	2088593.813	6023862.624	0	RS-700	0.37665515723
14888	-122.359	37.716	2186.673	2088592.810	6023863.587	0	RS-700	0.24322503145
14889	-122.359	37.716	2168.669	2088591.586	6023864.749	0	RS-700	0.12999327044
14890	-122.359	37.716	2205.452	2088590.433	6023865.912	0	RS-700	0.36133094340
14891	-122.359	37.716	2204.793	2088589.353	6023867.135	0	RS-700	0.35718849057
14892	-122.359	37.716	2054.734	2088588.419	6023868.331	0	RS-700	-0.58657641509
14893	-122.359	37.716	2105.637	2088587.669	6023869.416	0	RS-700	-0.26643113208
14894	-122.359	37.716	2088.643	2088586.847	6023870.470	0	RS-700	-0.37331654088

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14895	-122.359	37.716	2156.419	2088585.691	6023871.836	0	RS-700	0.05294855346
14896	-122.359	37.716	2133.873	2088583.950	6023873.305	0	RS-700	-0.08884974843
14897	-122.359	37.716	2073.328	2088581.880	6023874.827	0	RS-700	-0.46963471698
14898	-122.359	37.716	2157.623	2088579.994	6023876.265	0	RS-700	0.06052421384
14899	-122.359	37.716	2122.551	2088577.887	6023877.843	0	RS-700	-0.16005635220
14900	-122.359	37.716	2075.439	2088575.518	6023879.763	0	RS-700	-0.45635767296
14901	-122.359	37.716	2140.766	2088573.115	6023881.538	0	RS-700	-0.04549679245
14902	-122.359	37.716	2216.019	2088570.780	6023883.575	0	RS-700	0.42779308176
14903	-122.359	37.716	2157.564	2088568.376	6023885.436	0	RS-700	0.06015150943
14904	-122.359	37.716	2244.466	2088566.266	6023887.188	0	RS-700	0.60670301887
14905	-122.359	37.716	2272.151	2088564.406	6023889.118	0	RS-700	0.78082515723
14906	-122.359	37.716	2310.930	2088562.765	6023891.053	0	RS-700	1.02471679245
14907	-122.359	37.716	2243.694	2088561.706	6023893.028	0	RS-700	0.60184660377
14908	-122.359	37.716	2279.392	2088560.869	6023894.863	0	RS-700	0.82636333333
14909	-122.359	37.716	2271.037	2088559.735	6023896.924	0	RS-700	0.77381610063
14910	-122.359	37.716	2176.998	2088558.268	6023899.296	0	RS-700	0.18237616352
14911	-122.359	37.716	2214.905	2088556.476	6023901.488	0	RS-700	0.42078333333
14912	-122.359	37.716	2172.660	2088554.327	6023903.326	0	RS-700	0.15509358491
14913	-122.359	37.716	2224.130	2088552.069	6023905.161	0	RS-700	0.47880295598
14914	-122.359	37.716	2210.903	2088549.918	6023907.115	0	RS-700	0.39561723270
14915	-122.359	37.716	2312.169	2088547.802	6023909.156	0	RS-700	1.03250955975
14916	-122.359	37.716	2264.037	2088545.755	6023911.372	0	RS-700	0.72979503145
14917	-122.359	37.716	2294.273	2088543.636	6023913.499	0	RS-700	0.91995616352
14918	-122.359	37.716	2329.833	2088541.519	6023915.569	0	RS-700	1.14360062893
14919	-122.359	37.716	2298.824	2088539.545	6023917.787	0	RS-700	0.94857735849
14920	-122.359	37.716	2337.065	2088537.717	6023919.978	0	RS-700	1.18908823899
14921	-122.359	37.716	2059.730	2088535.998	6023922.200	0	RS-700	-0.55515761006
14922	-122.359	37.716	2123.866	2088534.279	6023924.394	0	RS-700	-0.15178421384
14923	-122.359	37.716	2226.457	2088532.375	6023926.728	0	RS-700	0.49343930818
14924	-122.359	37.716	2280.245	2088530.473	6023928.976	0	RS-700	0.83172861635
14925	-122.359	37.716	2089.380	2088528.755	6023931.141	0	RS-700	-0.36868000000
14926	-122.359	37.716	2178.537	2088527.145	6023933.336	0	RS-700	0.19205603774
14927	-122.359	37.716	2256.577	2088525.422	6023935.761	0	RS-700	0.68287459120
14928	-122.359	37.716	2299.130	2088523.806	6023938.275	0	RS-700	0.95050006289
14929	-122.359	37.716	2210.795	2088522.442	6023940.910	0	RS-700	0.39493421384
14930	-122.359	37.716	2137.661	2088521.159	6023943.170	0	RS-700	-0.06502333333
14931	-122.359	37.716	2166.876	2088519.915	6023945.315	0	RS-700	0.11871584906
14932	-122.359	37.716	2171.986	2088518.673	6023947.344	0	RS-700	0.15085710692
14933	-122.359	37.716	2122.864	2088516.958	6023949.306	0	RS-700	-0.15809081761
14934	-122.359	37.716	2117.874	2088514.663	6023951.170	0	RS-700	-0.18947056604
14935	-122.359	37.716	2101.642	2088512.078	6023952.999	0	RS-700	-0.29156213837
14936	-122.359	37.716	2156.987	2088509.457	6023954.770	0	RS-700	0.05652308176
14937	-122.359	37.716	2211.100	2088507.382	6023956.551	0	RS-700	0.39685572327
14938	-122.359	37.716	2179.895	2088505.632	6023958.484	0	RS-700	0.20059672956
14939	-122.359	37.716	2200.119	2088503.950	6023960.620	0	RS-700	0.32779157233

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14940	-122.359	37.716	2225.797	2088502.013	6023962.809	0	RS-700	0.48928955975
14941	-122.359	37.716	2224.574	2088500.411	6023964.629	0	RS-700	0.48160012579
14942	-122.359	37.716	2215.569	2088499.138	6023966.398	0	RS-700	0.42496163522
14943	-122.359	37.716	2210.013	2088497.719	6023968.163	0	RS-700	0.39001830189
14944	-122.359	37.716	2122.866	2088496.263	6023969.957	0	RS-700	-0.15807597484
14945	-122.359	37.716	2131.658	2088494.844	6023971.693	0	RS-700	-0.10277955975
14946	-122.359	37.716	2095.861	2088493.239	6023973.658	0	RS-700	-0.32792037736
14947	-122.359	37.716	2152.556	2088491.776	6023975.827	0	RS-700	0.02865515723
14948	-122.359	37.716	2130.662	2088490.281	6023977.765	0	RS-700	-0.10904182390
14949	-122.359	37.716	2202.569	2088489.046	6023979.390	0	RS-700	0.34320289308
14950	-122.359	37.716	2121.550	2088487.886	6023980.958	0	RS-700	-0.16635264151
14951	-122.359	37.716	2167.989	2088486.650	6023982.698	0	RS-700	0.12571522013
14952	-122.359	37.716	2144.979	2088485.487	6023984.411	0	RS-700	-0.01899937107
14953	-122.359	37.716	2198.552	2088484.357	6023986.298	0	RS-700	0.31793641509
14954	-122.359	37.716	2225.018	2088483.703	6023988.049	0	RS-700	0.48439000000
14955	-122.359	37.716	2252.018	2088483.411	6023989.895	0	RS-700	0.65419849057
14956	-122.359	37.716	2200.007	2088483.162	6023991.453	0	RS-700	0.32708867925
14957	-122.359	37.716	2232.912	2088482.510	6023993.089	0	RS-700	0.53403716981
14958	-122.359	37.716	2192.227	2088481.200	6023994.885	0	RS-700	0.27816000000
14959	-122.359	37.716	2178.334	2088479.451	6023996.760	0	RS-700	0.19077691824
14960	-122.359	37.716	2280.254	2088477.598	6023998.372	0	RS-700	0.83178415094
14961	-122.359	37.716	2272.271	2088475.899	6023999.582	0	RS-700	0.78158037736
14962	-122.359	37.716	2153.349	2088474.091	6024000.762	0	RS-700	0.03364213836
14963	-122.359	37.716	2108.435	2088472.459	6024002.234	0	RS-700	-0.24883886793
14964	-122.359	37.716	2180.343	2088470.929	6024004.084	0	RS-700	0.20341490566
14965	-122.359	37.716	2098.543	2088469.652	6024006.026	0	RS-700	-0.31105213837
14966	-122.359	37.716	2178.243	2088468.704	6024007.916	0	RS-700	0.19020672956
14967	-122.359	37.716	2127.547	2088467.757	6024009.749	0	RS-700	-0.12863320755
14968	-122.359	37.716	2117.500	2088466.849	6024011.467	0	RS-700	-0.19182339623
14969	-122.359	37.716	2086.535	2088465.686	6024013.180	0	RS-700	-0.38657113208
14970	-122.359	37.716	2076.537	2088464.375	6024015.005	0	RS-700	-0.44945459120
14971	-122.359	37.716	2152.311	2088462.881	6024016.914	0	RS-700	0.02711622642
14972	-122.359	37.716	2085.628	2088461.429	6024018.505	0	RS-700	-0.39227490566
14973	-122.359	37.716	2113.762	2088459.941	6024020.067	0	RS-700	-0.21533339623
14974	-122.359	37.716	2195.008	2088458.271	6024021.625	0	RS-700	0.29564647799
14975	-122.359	37.716	2193.676	2088456.415	6024023.382	0	RS-700	0.28726779874
14976	-122.359	37.716	2123.974	2088454.593	6024025.255	0	RS-700	-0.15110566038
14977	-122.359	37.716	2081.153	2088452.809	6024027.071	0	RS-700	-0.42041842767
14978	-122.359	37.716	2108.759	2088451.205	6024029.006	0	RS-700	-0.24680132076
14979	-122.359	37.716	2046.245	2088449.636	6024030.971	0	RS-700	-0.63996943396
14980	-122.359	37.716	2063.298	2088448.210	6024033.113	0	RS-700	-0.53272012579
14981	-122.359	37.716	2106.541	2088447.368	6024035.150	0	RS-700	-0.26074672956
14982	-122.359	37.716	2113.865	2088447.112	6024037.055	0	RS-700	-0.21468792453
14983	-122.359	37.716	2080.058	2088446.892	6024038.960	0	RS-700	-0.42730962264
14984	-122.359	37.716	2116.390	2088446.311	6024040.713	0	RS-700	-0.19880559748

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
14985	-122.359	37.716	2039.531	2088445.364	6024042.517	0	RS-700	-0.68219704403
14986	-122.359	37.716	2099.754	2088443.875	6024044.136	0	RS-700	-0.30343163522
14987	-122.359	37.716	2095.374	2088442.059	6024045.720	0	RS-700	-0.33097805031
14988	-122.359	37.716	2062.154	2088440.243	6024047.304	0	RS-700	-0.53991220126
14989	-122.359	37.716	2113.853	2088439.151	6024049.134	0	RS-700	-0.21476245283
14990	-122.359	37.716	2042.945	2088438.495	6024051.002	0	RS-700	-0.66072289308
14991	-122.359	37.716	2002.719	2088438.278	6024052.762	0	RS-700	-0.91371748428
14992	-122.359	37.716	2101.967	2088438.135	6024054.437	0	RS-700	-0.28951792453
14993	-122.359	37.716	2144.763	2088437.960	6024055.909	0	RS-700	-0.02036069182
14994	-122.359	37.716	2101.750	2088437.901	6024057.037	0	RS-700	-0.29088106918
14995	-122.359	37.716	2124.975	2088437.937	6024057.095	0	RS-700	-0.14480962264
14996	-122.359	37.716	2117.857	2088437.939	6024056.950	0	RS-700	-0.18957628931
14997	-122.359	37.716	2119.780	2088437.937	6024057.095	0	RS-700	-0.17748345912
14998	-122.359	37.716	2084.057	2088437.896	6024057.297	0	RS-700	-0.40215591195
14999	-122.359	37.716	2020.930	2088437.894	6024057.384	0	RS-700	-0.79918459120
15000	-122.359	37.716	2134.615	2088437.896	6024057.297	0	RS-700	-0.08418163522
15001	-122.359	37.716	2021.728	2088437.931	6024057.384	0	RS-700	-0.79416591195
15002	-122.359	37.716	2013.705	2088438.026	6024058.081	0	RS-700	-0.84462132076
15003	-122.359	37.716	2113.439	2088438.549	6024059.248	0	RS-700	-0.21736666667
15004	-122.359	37.716	2113.074	2088439.506	6024060.598	0	RS-700	-0.21965830189
15005	-122.359	37.716	2028.421	2088440.793	6024061.781	0	RS-700	-0.75206616352
15006	-122.359	37.716	2116.965	2088442.227	6024062.966	0	RS-700	-0.19518616352
15007	-122.359	37.716	1946.406	2088443.593	6024063.862	0	RS-700	-1.26788698113
15008	-122.359	37.716	2004.029	2088444.963	6024064.554	0	RS-700	-0.90547949686
15009	-122.359	37.716	2101.226	2088446.371	6024065.190	0	RS-700	-0.29417867925
15010	-122.359	37.716	2011.339	2088447.380	6024065.702	0	RS-700	-0.85950339623
15011	-122.359	37.716	2072.050	2088447.669	6024065.823	0	RS-700	-0.47767088050
15012	-122.359	37.716	2055.839	2088447.489	6024065.733	0	RS-700	-0.57962610063
15013	-122.359	37.716	2051.838	2088447.453	6024065.703	0	RS-700	-0.60479358491
15014	-122.359	37.716	2038.601	2088447.454	6024065.674	0	RS-700	-0.68804597484
15015	-122.359	37.716	1959.800	2088447.417	6024065.702	0	RS-700	-1.18364584906
15016	-122.359	37.716	2106.440	2088447.417	6024065.673	0	RS-700	-0.26138540881
15017	-122.359	37.716	2041.142	2088447.381	6024065.644	0	RS-700	-0.67206245283
15018	-122.359	37.716	2048.142	2088447.382	6024065.615	0	RS-700	-0.62803635220
15019	-122.359	37.716	2002.925	2088447.382	6024065.615	0	RS-700	-0.91242327044
15020	-122.359	37.716	2055.221	2088447.346	6024065.614	0	RS-700	-0.58351597484
15021	-122.359	37.716	1996.610	2088447.346	6024065.585	0	RS-700	-0.95213698113
15022	-122.359	37.716	2026.730	2088447.310	6024065.556	0	RS-700	-0.76270289308
15023	-122.359	37.716	1999.835	2088447.310	6024065.556	0	RS-700	-0.93185566038
15024	-122.359	37.716	2110.233	2088447.274	6024065.526	0	RS-700	-0.23752540881
15025	-122.359	37.716	1976.914	2088447.238	6024065.525	0	RS-700	-1.07601301887
15026	-122.359	37.716	1970.713	2088447.238	6024065.525	0	RS-700	-1.11501477987
15027	-122.359	37.716	1929.982	2088447.202	6024065.495	0	RS-700	-1.37118226415
15028	-122.359	37.716	2011.723	2088447.166	6024065.466	0	RS-700	-0.85708924528
15029	-122.359	37.716	1986.604	2088447.167	6024065.437	0	RS-700	-1.01506955975

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15030	-122.359	37.716	2086.268	2088447.167	6024065.437	0	RS-700	-0.38825176101
15031	-122.359	37.716	1975.711	2088447.131	6024065.407	0	RS-700	-1.08357704403
15032	-122.359	37.716	2022.033	2088447.095	6024065.407	0	RS-700	-0.79224767296
15033	-122.359	37.716	2085.584	2088447.095	6024065.378	0	RS-700	-0.39255301887
15034	-122.359	37.716	1926.780	2088447.095	6024065.378	0	RS-700	-1.39132081761
15035	-122.359	37.716	1989.518	2088447.059	6024065.348	0	RS-700	-0.99674157233
15036	-122.359	37.716	2077.051	2088447.060	6024065.319	0	RS-700	-0.44621811321
15037	-122.359	37.716	2121.778	2088447.061	6024065.290	0	RS-700	-0.16491867925
15038	-122.359	37.716	1906.497	2088447.025	6024065.261	0	RS-700	-1.51888867925
15039	-122.359	37.716	2083.157	2088446.989	6024065.231	0	RS-700	-0.40781584906
15040	-122.359	37.716	1987.515	2088446.989	6024065.231	0	RS-700	-1.00934257862
15041	-122.359	37.716	1975.810	2088446.990	6024065.202	0	RS-700	-1.08295408805
15042	-122.359	37.716	2077.846	2088446.954	6024065.172	0	RS-700	-0.44121911950
15043	-122.359	37.716	2103.636	2088446.954	6024065.172	0	RS-700	-0.27902018868
15044	-122.359	37.716	2018.121	2088446.954	6024065.172	0	RS-700	-0.81684918239
15045	-122.359	37.716	1960.896	2088446.918	6024065.143	0	RS-700	-1.17675672956
15046	-122.359	37.716	2107.855	2088446.954	6024065.143	0	RS-700	-0.25248672956
15047	-122.359	37.716	2010.829	2088446.918	6024065.114	0	RS-700	-0.86270805031
15048	-122.359	37.716	2043.945	2088446.918	6024065.114	0	RS-700	-0.65443232704
15049	-122.359	37.716	1998.410	2088446.919	6024065.085	0	RS-700	-0.94081918239
15050	-122.359	37.716	2051.325	2088446.847	6024065.054	0	RS-700	-0.60802132076
15051	-122.359	37.716	2010.923	2088446.847	6024065.054	0	RS-700	-0.86212069182
15052	-122.359	37.716	2027.615	2088446.847	6024065.054	0	RS-700	-0.75713698113
15053	-122.359	37.716	2012.214	2088446.847	6024065.026	0	RS-700	-0.85399735849
15054	-122.359	37.716	1996.214	2088446.812	6024064.996	0	RS-700	-0.95463201258
15055	-122.359	37.716	2097.964	2088446.775	6024064.995	0	RS-700	-0.31469452830
15056	-122.359	37.716	2071.637	2088446.775	6024064.995	0	RS-700	-0.48027188679
15057	-122.359	37.716	2006.716	2088446.776	6024064.966	0	RS-700	-0.88857918239
15058	-122.359	37.716	2066.829	2088446.775	6024064.995	0	RS-700	-0.51050880503
15059	-122.359	37.716	1979.412	2088446.740	6024064.908	0	RS-700	-1.06030440252
15060	-122.359	37.716	2095.749	2088446.993	6024065.028	0	RS-700	-0.32862283019
15061	-122.359	37.716	2218.112	2088448.038	6024065.599	0	RS-700	0.44095396226
15062	-122.359	37.716	2056.738	2088449.701	6024066.211	0	RS-700	-0.57397213837
15063	-122.359	37.716	2057.841	2088451.548	6024066.710	0	RS-700	-0.56703685535
15064	-122.359	37.716	2018.122	2088453.908	6024067.075	0	RS-700	-0.81684471698
15065	-122.359	37.716	2095.146	2088456.406	6024067.819	0	RS-700	-0.33241647799
15066	-122.359	37.716	2094.855	2088458.679	6024068.935	0	RS-700	-0.33424364780
15067	-122.359	37.716	2040.629	2088460.693	6024070.190	0	RS-700	-0.67528849057
15068	-122.359	37.716	2035.422	2088462.630	6024071.675	0	RS-700	-0.70803603774
15069	-122.359	37.716	2022.727	2088464.609	6024072.900	0	RS-700	-0.78788232704
15070	-122.359	37.716	2015.326	2088466.700	6024073.983	0	RS-700	-0.83442886793
15071	-122.359	37.716	2079.223	2088469.129	6024074.524	0	RS-700	-0.43255981132
15072	-122.359	37.716	2100.880	2088471.650	6024074.140	0	RS-700	-0.29635377359
15073	-122.359	37.716	2060.048	2088473.491	6024073.106	0	RS-700	-0.55315591195
15074	-122.359	37.716	2002.018	2088474.469	6024071.563	0	RS-700	-0.91812786164

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15075	-122.359	37.716	2001.019	2088474.797	6024069.689	0	RS-700	-0.92440622642
15076	-122.359	37.716	2034.730	2088474.732	6024067.489	0	RS-700	-0.71239257862
15077	-122.359	37.716	2173.104	2088474.517	6024065.488	0	RS-700	0.15788528302
15078	-122.359	37.716	2176.655	2088474.740	6024063.410	0	RS-700	0.18021937107
15079	-122.359	37.716	2080.330	2088475.695	6024061.172	0	RS-700	-0.42559742138
15080	-122.359	37.716	2103.541	2088476.634	6024059.715	0	RS-700	-0.27961421384
15081	-122.359	37.716	2056.841	2088476.709	6024059.601	0	RS-700	-0.57332735849
15082	-122.359	37.716	1952.794	2088476.672	6024059.658	0	RS-700	-1.22771157233
15083	-122.359	37.716	2179.670	2088476.671	6024059.687	0	RS-700	0.19918440252
15084	-122.359	37.716	2120.329	2088476.671	6024059.687	0	RS-700	-0.17403421384
15085	-122.359	37.716	2091.856	2088476.671	6024059.687	0	RS-700	-0.35310880503
15086	-122.359	37.716	2128.447	2088476.671	6024059.687	0	RS-700	-0.12297213837
15087	-122.359	37.716	2111.548	2088476.671	6024059.687	0	RS-700	-0.22925767296
15088	-122.359	37.716	2189.901	2088476.635	6024059.658	0	RS-700	0.26352584906
15089	-122.359	37.716	2098.543	2088476.671	6024059.687	0	RS-700	-0.31105006289
15090	-122.359	37.716	2169.755	2088476.671	6024059.687	0	RS-700	0.13682691824
15091	-122.359	37.716	2111.758	2088476.895	6024059.402	0	RS-700	-0.22793503145
15092	-122.359	37.716	2058.048	2088478.050	6024058.094	0	RS-700	-0.56573742138
15093	-122.359	37.716	2009.315	2088479.789	6024056.740	0	RS-700	-0.87223251572
15094	-122.359	37.716	2137.558	2088481.782	6024055.391	0	RS-700	-0.06567031447
15095	-122.359	37.716	2082.742	2088484.135	6024054.281	0	RS-700	-0.41042779874
15096	-122.359	37.716	2098.172	2088486.526	6024053.084	0	RS-700	-0.31338333333
15097	-122.359	37.716	2176.784	2088488.807	6024051.914	0	RS-700	0.18103383648
15098	-122.359	37.716	2039.138	2088490.837	6024050.566	0	RS-700	-0.68466477987
15099	-122.359	37.716	2083.067	2088492.620	6024048.837	0	RS-700	-0.40838528302
15100	-122.359	37.716	2168.096	2088494.623	6024046.996	0	RS-700	0.12638685535
15101	-122.359	37.716	2170.216	2088496.622	6024045.387	0	RS-700	0.13972484277
15102	-122.359	37.716	2115.754	2088498.258	6024043.683	0	RS-700	-0.20280270440
15103	-122.359	37.716	2164.536	2088499.750	6024041.890	0	RS-700	0.10400308176
15104	-122.359	37.716	2234.354	2088501.095	6024040.210	0	RS-700	0.54310805031
15105	-122.359	37.716	2144.446	2088502.328	6024038.643	0	RS-700	-0.02235408805
15106	-122.359	37.716	2159.100	2088503.743	6024037.051	0	RS-700	0.06981132075
15107	-122.359	37.716	2147.327	2088504.977	6024035.456	0	RS-700	-0.00423106918
15108	-122.359	37.716	2247.919	2088506.067	6024033.742	0	RS-700	0.62842075472
15109	-122.359	37.716	2223.341	2088507.268	6024031.943	0	RS-700	0.47384251572
15110	-122.359	37.716	2273.603	2088508.730	6024029.831	0	RS-700	0.78995584906
15111	-122.359	37.716	2204.011	2088510.191	6024027.777	0	RS-700	0.35226836478
15112	-122.359	37.716	2237.579	2088511.103	6024025.886	0	RS-700	0.56338823899
15113	-122.359	37.716	2209.685	2088511.827	6024024.251	0	RS-700	0.38795433962
15114	-122.359	37.716	2168.563	2088512.403	6024022.758	0	RS-700	0.12932389937
15115	-122.359	37.716	2098.960	2088513.455	6024021.159	0	RS-700	-0.30843006289
15116	-122.359	37.716	2162.774	2088514.873	6024019.422	0	RS-700	0.09291509434
15117	-122.359	37.716	2140.978	2088516.651	6024017.924	0	RS-700	-0.04416622642
15118	-122.359	37.716	2215.695	2088518.569	6024016.718	0	RS-700	0.42575333333
15119	-122.359	37.716	2177.895	2088520.122	6024015.534	0	RS-700	0.18802018868

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15120	-122.359	37.716	2138.976	2088521.863	6024014.064	0	RS-700	-0.05675484277
15121	-122.359	37.716	2233.129	2088523.678	6024012.538	0	RS-700	0.53539937107
15122	-122.359	37.716	2159.771	2088525.608	6024010.725	0	RS-700	0.07402968553
15123	-122.359	37.716	2208.567	2088527.024	6024009.075	0	RS-700	0.38092289308
15124	-122.359	37.716	2109.068	2088528.297	6024007.335	0	RS-700	-0.24485779874
15125	-122.359	37.716	2138.871	2088529.386	6024005.679	0	RS-700	-0.05741389937
15126	-122.359	37.716	2141.828	2088530.433	6024004.311	0	RS-700	-0.03881905660
15127	-122.359	37.716	2080.748	2088531.624	6024003.004	0	RS-700	-0.42297157233
15128	-122.359	37.716	2143.777	2088532.511	6024002.356	0	RS-700	-0.02656201258
15129	-122.359	37.716	2082.475	2088532.584	6024002.387	0	RS-700	-0.41210591195
15130	-122.359	37.716	2044.711	2088532.436	6024002.470	0	RS-700	-0.64961616352
15131	-122.359	37.716	2184.001	2088532.436	6024002.470	0	RS-700	0.22641981132
15132	-122.359	37.716	2167.117	2088532.952	6024002.162	0	RS-700	0.12023465409
15133	-122.359	37.716	2150.775	2088534.173	6024001.232	0	RS-700	0.01745157233
15134	-122.359	37.716	2031.626	2088535.468	6024000.187	0	RS-700	-0.73191213837
15135	-122.359	37.716	2196.457	2088536.067	6023999.389	0	RS-700	0.30475811321
15136	-122.359	37.716	2203.903	2088535.992	6023999.474	0	RS-700	0.35159125786
15137	-122.359	37.716	2209.373	2088535.879	6023999.646	0	RS-700	0.38599213837
15138	-122.359	37.716	2149.895	2088535.879	6023999.675	0	RS-700	0.01191553459
15139	-122.359	37.716	2187.899	2088535.915	6023999.675	0	RS-700	0.25093660377
15140	-122.359	37.716	2130.441	2088535.916	6023999.646	0	RS-700	-0.11043100629
15141	-122.359	37.716	2114.762	2088535.991	6023999.503	0	RS-700	-0.20904100629
15142	-122.359	37.716	2103.863	2088536.854	6023998.247	0	RS-700	-0.27758849057
15143	-122.359	37.716	2180.889	2088537.796	6023996.675	0	RS-700	0.20685169811
15144	-122.359	37.716	2137.429	2088538.213	6023995.844	0	RS-700	-0.06648509434
15145	-122.359	37.716	2163.310	2088538.253	6023995.643	0	RS-700	0.09628823899
15146	-122.359	37.716	2206.226	2088538.290	6023995.643	0	RS-700	0.36620415094
15147	-122.359	37.716	2191.567	2088538.290	6023995.614	0	RS-700	0.27400716981
15148	-122.359	37.716	2234.134	2088538.896	6023994.469	0	RS-700	0.54172616352
15149	-122.359	37.716	2277.930	2088539.991	6023992.495	0	RS-700	0.81716905660
15150	-122.359	37.716	2264.587	2088541.233	6023990.494	0	RS-700	0.73325006289
15151	-122.359	37.716	2159.188	2088542.328	6023988.520	0	RS-700	0.07036742138
15152	-122.359	37.716	2226.580	2088543.533	6023986.547	0	RS-700	0.49421553459
15153	-122.359	37.716	2187.451	2088545.063	6023984.668	0	RS-700	0.24811716981
15154	-122.359	37.716	2226.492	2088546.519	6023982.875	0	RS-700	0.49366295598
15155	-122.359	37.716	2255.499	2088547.723	6023980.931	0	RS-700	0.67609484277
15156	-122.359	37.716	2133.972	2088548.528	6023978.922	0	RS-700	-0.08822578616
15157	-122.359	37.716	2136.235	2088549.112	6023977.024	0	RS-700	-0.07399100629
15158	-122.359	37.716	2093.641	2088549.766	6023975.244	0	RS-700	-0.34188088050
15159	-122.359	37.716	2182.025	2088550.676	6023973.439	0	RS-700	0.21399144654
15160	-122.359	37.716	2185.216	2088551.986	6023971.671	0	RS-700	0.23406270440
15161	-122.359	37.716	2116.276	2088553.911	6023970.118	0	RS-700	-0.19952125786
15162	-122.359	37.716	2185.995	2088556.083	6023968.918	0	RS-700	0.23896283019
15163	-122.359	37.716	2072.361	2088558.069	6023967.973	0	RS-700	-0.47571496855
15164	-122.359	37.716	2117.742	2088559.468	6023967.191	0	RS-700	-0.19030106918



**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15165	-122.359	37.716	2173.016	2088559.984	6023966.883	0	RS-700	0.15733251572
15166	-122.359	37.716	2131.447	2088560.279	6023966.715	0	RS-700	-0.10410955975
15167	-122.359	37.716	2084.494	2088561.390	6023965.783	0	RS-700	-0.39941113208
15168	-122.359	37.716	2060.737	2088562.503	6023964.763	0	RS-700	-0.54882540881
15169	-122.359	37.716	2039.327	2088563.589	6023963.252	0	RS-700	-0.68347735849
15170	-122.359	37.716	2083.951	2088564.135	6023961.411	0	RS-700	-0.40282698113
15171	-122.359	37.716	2125.566	2088564.500	6023959.538	0	RS-700	-0.14109691824
15172	-122.359	37.716	2141.199	2088564.870	6023957.433	0	RS-700	-0.04277477987
15173	-122.359	37.716	2136.444	2088565.346	6023955.475	0	RS-700	-0.07267911950
15174	-122.359	37.716	2182.219	2088566.148	6023953.611	0	RS-700	0.21521383648
15175	-122.359	37.716	2329.171	2088567.641	6023951.789	0	RS-700	1.13944188679
15176	-122.359	37.716	2196.684	2088569.599	6023950.381	0	RS-700	0.30618616352
15177	-122.359	37.716	2190.568	2088571.584	6023949.437	0	RS-700	0.26772427673
15178	-122.359	37.716	2192.891	2088573.718	6023948.351	0	RS-700	0.28233559748
15179	-122.359	37.716	2210.134	2088575.821	6023947.004	0	RS-700	0.39077867925
15180	-122.359	37.716	2218.122	2088577.746	6023945.422	0	RS-700	0.44101666667
15181	-122.359	37.716	2181.226	2088579.198	6023943.802	0	RS-700	0.20896880503
15182	-122.359	37.716	2058.433	2088580.394	6023942.264	0	RS-700	-0.56331402516
15183	-122.359	37.716	2262.038	2088581.371	6023940.750	0	RS-700	0.71721773585
15184	-122.359	37.716	2282.036	2088582.503	6023938.805	0	RS-700	0.84299415094
15185	-122.359	37.716	2194.563	2088583.780	6023936.834	0	RS-700	0.29284666667
15186	-122.359	37.716	2300.592	2088585.019	6023934.978	0	RS-700	0.95969836478
15187	-122.359	37.716	2247.919	2088585.893	6023933.115	0	RS-700	0.62841880503
15188	-122.359	37.716	2194.787	2088586.219	6023931.386	0	RS-700	0.29425641509
15189	-122.359	37.716	2234.580	2088586.280	6023930.143	0	RS-700	0.54452823899
15190	-122.359	37.716	2173.125	2088586.334	6023929.247	0	RS-700	0.15801572327
15191	-122.359	37.716	2212.015	2088586.395	6023928.004	0	RS-700	0.40261301887
15192	-122.359	37.716	2262.820	2088586.978	6023926.193	0	RS-700	0.72213603774
15193	-122.359	37.716	2255.697	2088588.257	6023924.136	0	RS-700	0.67733805031
15194	-122.359	37.716	2129.873	2088590.040	6023922.377	0	RS-700	-0.11400572327
15195	-122.359	37.716	2181.580	2088592.328	6023920.861	0	RS-700	0.21119264151
15196	-122.359	37.716	2146.981	2088594.651	6023919.402	0	RS-700	-0.00641132075
15197	-122.359	37.716	2226.251	2088596.685	6023917.880	0	RS-700	0.49214289308
15198	-122.359	37.716	2141.875	2088598.543	6023915.979	0	RS-700	-0.03852484277
15199	-122.359	37.716	2027.824	2088599.820	6023914.037	0	RS-700	-0.75582283019
15200	-122.359	37.716	2006.722	2088600.734	6023912.030	0	RS-700	-0.88854069182
15201	-122.359	37.716	2038.638	2088601.179	6023909.811	0	RS-700	-0.68781018868
15202	-122.359	37.716	2225.298	2088601.112	6023907.669	0	RS-700	0.48615000000
15203	-122.359	37.716	2159.309	2088600.846	6023906.391	0	RS-700	0.07112352201
15204	-122.359	37.716	2174.427	2088600.317	6023905.512	0	RS-700	0.16621006289
15205	-122.359	37.716	2093.959	2088600.139	6023905.306	0	RS-700	-0.33987830189
15206	-122.359	37.716	2207.119	2088600.472	6023905.081	0	RS-700	0.37182031447
15207	-122.359	37.716	2003.723	2088600.576	6023903.492	0	RS-700	-0.90740358491
15208	-122.359	37.716	2130.086	2088601.526	6023901.486	0	RS-700	-0.11266452830
15209	-122.359	37.716	2109.062	2088603.237	6023899.726	0	RS-700	-0.24489427673

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15210	-122.359	37.716	2192.569	2088605.374	6023898.467	0	RS-700	0.28030805031
15211	-122.359	37.716	1986.318	2088607.176	6023897.577	0	RS-700	-1.01686584906
15212	-122.359	37.716	2074.054	2088608.351	6023897.080	0	RS-700	-0.46507232704
15213	-122.359	37.716	2157.884	2088608.901	6023896.917	0	RS-700	0.06216389937
15214	-122.359	37.716	2095.753	2088608.937	6023896.918	0	RS-700	-0.32860062893
15215	-122.359	37.716	2208.903	2088609.931	6023896.388	0	RS-700	0.38303691824
15216	-122.359	37.716	2163.882	2088611.224	6023895.459	0	RS-700	0.09988377358
15217	-122.359	37.716	2113.330	2088612.407	6023894.585	0	RS-700	-0.21804905660
15218	-122.359	37.716	2116.284	2088612.924	6023894.220	0	RS-700	-0.19947000000
15219	-122.359	37.716	2120.435	2088613.626	6023893.742	0	RS-700	-0.17336559748
15220	-122.359	37.716	2116.781	2088614.221	6023893.088	0	RS-700	-0.19634559748
15221	-122.359	37.716	2175.541	2088614.937	6023891.916	0	RS-700	0.17321559748
15222	-122.359	37.716	2159.313	2088615.915	6023890.315	0	RS-700	0.07114905660
15223	-122.359	37.716	2189.564	2088616.966	6023888.745	0	RS-700	0.26141044025
15224	-122.359	37.716	2170.897	2088618.269	6023887.353	0	RS-700	0.14400534591
15225	-122.359	37.716	2154.776	2088619.642	6023886.050	0	RS-700	0.04261830189
15226	-122.359	37.716	2157.987	2088620.909	6023884.600	0	RS-700	0.06281044025
15227	-122.359	37.716	2087.224	2088621.846	6023883.258	0	RS-700	-0.38223949686
15228	-122.359	37.716	2054.142	2088622.499	6023881.565	0	RS-700	-0.59030308176
15229	-122.359	37.716	2096.333	2088623.114	6023879.957	0	RS-700	-0.32494823899
15230	-122.359	37.716	2079.828	2088623.949	6023878.237	0	RS-700	-0.42875465409
15231	-122.359	37.716	2061.075	2088625.150	6023876.439	0	RS-700	-0.54669660377
15232	-122.359	37.716	2162.217	2088626.637	6023874.906	0	RS-700	0.08941314465
15233	-122.359	37.716	2129.192	2088628.164	6023873.229	0	RS-700	-0.11829018868
15234	-122.359	37.716	2183.345	2088629.545	6023871.550	0	RS-700	0.22229320755
15235	-122.359	37.716	2244.931	2088630.704	6023870.040	0	RS-700	0.60962987421
15236	-122.359	37.716	2200.914	2088631.748	6023868.787	0	RS-700	0.33279000000
15237	-122.359	37.716	2143.666	2088633.089	6023867.281	0	RS-700	-0.02725930818
15238	-122.359	37.716	2082.640	2088634.540	6023865.747	0	RS-700	-0.41106786164
15239	-122.359	37.716	2060.739	2088635.919	6023864.183	0	RS-700	-0.54881056604
15240	-122.359	37.716	2233.803	2088637.079	6023862.615	0	RS-700	0.53964314465
15241	-122.359	37.716	2259.032	2088638.055	6023861.130	0	RS-700	0.69831402516
15242	-122.359	37.716	2104.854	2088639.030	6023859.703	0	RS-700	-0.27135767296
15243	-122.359	37.716	2166.102	2088640.040	6023858.364	0	RS-700	0.11385188679
15244	-122.359	37.716	2219.244	2088641.267	6023857.115	0	RS-700	0.44807572327
15245	-122.359	37.716	2163.316	2088642.417	6023856.067	0	RS-700	0.09632503145
15246	-122.359	37.716	2251.256	2088643.529	6023855.077	0	RS-700	0.64940578616
15247	-122.359	37.716	2280.363	2088644.272	6023854.339	0	RS-700	0.83247125786
15248	-122.359	37.716	2230.573	2088644.570	6023853.998	0	RS-700	0.51932842767
15249	-122.359	37.716	2216.451	2088644.571	6023853.969	0	RS-700	0.43050924528
15250	-122.359	37.716	2317.945	2088644.607	6023853.999	0	RS-700	1.06883861635
15251	-122.359	37.716	2177.676	2088644.607	6023853.999	0	RS-700	0.18663937107
15252	-122.359	37.716	2246.693	2088644.607	6023853.970	0	RS-700	0.62071031447
15253	-122.359	37.716	2274.926	2088644.607	6023853.999	0	RS-700	0.79827635220
15254	-122.359	37.716	2261.500	2088644.607	6023853.970	0	RS-700	0.71383389937

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15255	-122.359	37.716	2230.903	2088644.607	6023853.970	0	RS-700	0.52140433962
15256	-122.359	37.716	2224.129	2088644.607	6023853.970	0	RS-700	0.47879830189
15257	-122.359	37.716	2256.134	2088644.607	6023853.999	0	RS-700	0.68008591195
15258	-122.359	37.716	2221.685	2088644.643	6023854.000	0	RS-700	0.46342849057
15259	-122.359	37.716	2257.022	2088644.607	6023853.999	0	RS-700	0.68567377359
15260	-122.359	37.716	2254.030	2088644.643	6023854.000	0	RS-700	0.66685446541
15261	-122.359	37.716	2227.911	2088644.643	6023854.000	0	RS-700	0.50258471698
15262	-122.359	37.716	2157.771	2088644.679	6023854.000	0	RS-700	0.06145559748
15263	-122.359	37.716	2296.492	2088644.643	6023854.029	0	RS-700	0.93390886793
15264	-122.359	37.716	2277.691	2088644.679	6023854.029	0	RS-700	0.81566905660
15265	-122.359	37.716	2238.907	2088644.679	6023854.029	0	RS-700	0.57174182390
15266	-122.359	37.716	2287.932	2088644.679	6023854.029	0	RS-700	0.88007440252
15267	-122.359	37.716	2262.471	2088644.679	6023854.029	0	RS-700	0.71994069182
15268	-122.359	37.716	2272.696	2088644.678	6023854.058	0	RS-700	0.78425056604
15269	-122.359	37.716	2202.011	2088644.678	6023854.058	0	RS-700	0.33968943396
15270	-122.359	37.716	2239.583	2088644.642	6023854.058	0	RS-700	0.57599540881
15271	-122.359	37.716	2219.255	2088644.678	6023854.087	0	RS-700	0.44814534591
15272	-122.359	37.716	2206.680	2088644.641	6023854.086	0	RS-700	0.36905358491
15273	-122.359	37.716	2229.472	2088644.642	6023854.058	0	RS-700	0.51240119497
15274	-122.359	37.716	2266.378	2088644.642	6023854.058	0	RS-700	0.74451377359
15275	-122.359	37.716	2195.796	2088644.678	6023854.087	0	RS-700	0.30060522013
15276	-122.359	37.716	2301.503	2088644.641	6023854.115	0	RS-700	0.96543000000
15277	-122.359	37.716	2274.154	2088644.900	6023853.889	0	RS-700	0.79342056604
15278	-122.359	37.716	2260.041	2088646.091	6023852.611	0	RS-700	0.70465729560
15279	-122.359	37.716	2218.024	2088647.462	6023851.452	0	RS-700	0.44040283019
15280	-122.359	37.716	2163.777	2088648.867	6023850.380	0	RS-700	0.09922427673
15281	-122.359	37.716	2144.766	2088650.237	6023849.222	0	RS-700	-0.02033691824
15282	-122.359	37.716	2118.771	2088651.649	6023847.832	0	RS-700	-0.18383050315
15283	-122.359	37.716	2236.813	2088652.881	6023846.294	0	RS-700	0.55857308176
15284	-122.359	37.716	2174.425	2088653.863	6023844.520	0	RS-700	0.16619622642
15285	-122.359	37.716	2141.661	2088654.700	6023842.743	0	RS-700	-0.03986490566
15286	-122.360	37.716	2226.685	2088655.609	6023840.996	0	RS-700	0.49487710692
15287	-122.360	37.716	2181.110	2088656.629	6023839.136	0	RS-700	0.20824056604
15288	-122.360	37.716	2193.990	2088657.434	6023837.098	0	RS-700	0.28924389937
15289	-122.360	37.716	2037.529	2088657.947	6023835.112	0	RS-700	-0.69478408805
15290	-122.360	37.716	2027.726	2088658.641	6023833.187	0	RS-700	-0.75644176101
15291	-122.360	37.716	2104.487	2088659.553	6023831.296	0	RS-700	-0.27366786164
15292	-122.360	37.716	2014.611	2088660.645	6023829.495	0	RS-700	-0.83892389937
15293	-122.360	37.716	2054.940	2088662.026	6023827.787	0	RS-700	-0.58528339623
15294	-122.360	37.716	2119.871	2088663.628	6023825.996	0	RS-700	-0.17691377359
15295	-122.360	37.716	2173.217	2088665.190	6023824.349	0	RS-700	0.15859452830
15296	-122.360	37.716	2080.050	2088666.752	6023822.702	0	RS-700	-0.42735987421
15297	-122.360	37.716	2173.218	2088668.605	6023821.119	0	RS-700	0.15860433962
15298	-122.360	37.716	2219.573	2088670.671	6023819.771	0	RS-700	0.45014421384
15299	-122.360	37.716	2228.574	2088672.487	6023818.187	0	RS-700	0.50675194969

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15300	-122.360	37.716	2198.677	2088673.904	6023816.537	0	RS-700	0.31872553459
15301	-122.360	37.716	2141.762	2088674.918	6023814.995	0	RS-700	-0.03923572327
15302	-122.360	37.716	2191.886	2088675.561	6023813.793	0	RS-700	0.27601037736
15303	-122.360	37.716	2159.204	2088675.975	6023813.078	0	RS-700	0.07046742138
15304	-122.360	37.716	2249.919	2088676.848	6023811.330	0	RS-700	0.64099893082
15305	-122.360	37.716	2463.250	2088678.060	6023808.982	0	RS-700	0.78372565982
15306	-122.360	37.716	2536.420	2088679.332	6023807.272	0	RS-700	0.99830020528
15307	-122.360	37.716	2329.207	2088680.195	6023805.987	0	RS-700	0.39063504399
15308	-122.360	37.716	1973.899	2088680.872	6023804.930	0	RS-700	-0.65132369502
15309	-122.360	37.716	1534.164	2088681.959	6023803.360	0	RS-700	-1.94086671554
15310	-122.360	37.716	1914.204	2088683.043	6023801.964	0	RS-700	-0.82638055719
15311	-122.360	37.716	2373.091	2088684.173	6023800.106	0	RS-700	0.51932923754
15312	-122.360	37.716	2463.756	2088685.454	6023797.933	0	RS-700	0.78520806452
15313	-122.360	37.716	2225.580	2088687.023	6023795.939	0	RS-700	0.08674451613
15314	-122.360	37.716	2180.872	2088689.026	6023794.127	0	RS-700	-0.04436404692
15315	-122.360	37.716	2339.841	2088690.694	6023792.656	0	RS-700	1.20654823899
15316	-122.360	37.716	2328.068	2088691.700	6023791.519	0	RS-700	1.13250433962
15317	-122.360	37.716	2284.720	2088692.486	6023790.464	0	RS-700	0.85987660377
15318	-122.360	37.716	2264.926	2088693.684	6023788.810	0	RS-700	0.73538597484
15319	-122.360	37.716	2280.499	2088694.554	6023787.149	0	RS-700	0.83332459120
15320	-122.360	37.716	2212.795	2088695.206	6023785.513	0	RS-700	0.40751597484
15321	-122.360	37.716	2112.432	2088695.854	6023784.079	0	RS-700	-0.22369729560
15322	-122.360	37.716	2127.756	2088696.650	6023782.475	0	RS-700	-0.12731779874
15323	-122.360	37.716	2169.777	2088697.669	6023780.702	0	RS-700	0.13696314465
15324	-122.360	37.716	2237.010	2088699.124	6023778.937	0	RS-700	0.55981031447
15325	-122.360	37.717	2211.115	2088701.047	6023777.500	0	RS-700	0.39695194969
15326	-122.360	37.717	2219.800	2088703.034	6023776.440	0	RS-700	0.45157515723
15327	-122.360	37.717	2152.204	2088704.909	6023775.580	0	RS-700	0.02643949686
15328	-122.360	37.717	2157.974	2088706.495	6023774.570	0	RS-700	0.06273220126
15329	-122.360	37.717	2115.871	2088707.865	6023773.440	0	RS-700	-0.20207157233
15330	-122.360	37.717	2203.011	2088708.878	6023771.927	0	RS-700	0.34598150943
15331	-122.360	37.717	2095.647	2088710.152	6023770.159	0	RS-700	-0.32926477987
15332	-122.360	37.717	2137.442	2088711.425	6023768.390	0	RS-700	-0.06640289308
15333	-122.360	37.717	2237.888	2088712.704	6023766.333	0	RS-700	0.56533094340
15334	-122.360	37.717	2102.830	2088713.874	6023764.273	0	RS-700	-0.28408798742
15335	-122.360	37.717	2253.690	2088715.222	6023762.419	0	RS-700	0.66471654088
15336	-122.360	37.717	2138.973	2088716.820	6023760.831	0	RS-700	-0.05677138365
15337	-122.360	37.717	2149.006	2088718.525	6023759.331	0	RS-700	0.00632918239
15338	-122.360	37.717	2077.531	2088720.084	6023757.858	0	RS-700	-0.44320050315
15339	-122.360	37.717	2063.842	2088721.538	6023756.122	0	RS-700	-0.52929283019
15340	-122.360	37.717	2168.557	2088722.847	6023754.412	0	RS-700	0.12929069182
15341	-122.360	37.717	2062.457	2088724.087	6023752.499	0	RS-700	-0.53800377359
15342	-122.360	37.717	2090.938	2088725.289	6023750.642	0	RS-700	-0.35888182390
15343	-122.360	37.717	2103.655	2088726.382	6023748.812	0	RS-700	-0.27890056604
15344	-122.360	37.717	2091.648	2088727.510	6023747.041	0	RS-700	-0.35441528302

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15345	-122.360	37.717	2025.623	2088728.561	6023745.471	0	RS-700	-0.76966723270
15346	-122.360	37.717	2096.534	2088729.799	6023743.615	0	RS-700	-0.32368522013
15347	-122.360	37.717	2130.188	2088730.635	6023741.896	0	RS-700	-0.11202295598
15348	-122.360	37.717	2087.223	2088730.828	6023741.350	0	RS-700	-0.38224421384
15349	-122.360	37.717	2110.862	2088731.137	6023740.430	0	RS-700	-0.23357352201
15350	-122.360	37.717	2134.647	2088731.495	6023738.933	0	RS-700	-0.08397993711
15351	-122.360	37.717	2054.262	2088731.926	6023737.408	0	RS-700	-0.58954867925
15352	-122.360	37.717	2013.918	2088732.765	6023735.486	0	RS-700	-0.84328616352
15353	-122.360	37.717	2106.656	2088733.930	6023733.658	0	RS-700	-0.26002452830
15354	-122.360	37.717	2087.161	2088735.528	6023732.070	0	RS-700	-0.38263308176
15355	-122.360	37.717	2100.532	2088737.486	6023730.691	0	RS-700	-0.29853880503
15356	-122.360	37.717	2145.089	2088739.211	6023730.002	0	RS-700	-0.01830685535
15357	-122.360	37.717	2201.899	2088740.359	6023729.041	0	RS-700	0.33898943396
15358	-122.360	37.717	2169.556	2088741.404	6023727.789	0	RS-700	0.13557534591
15359	-122.360	37.717	2197.118	2088742.748	6023726.138	0	RS-700	0.30892025157
15360	-122.360	37.717	2120.072	2088744.568	6023724.351	0	RS-700	-0.17565081761
15361	-122.360	37.717	2047.941	2088746.280	6023722.505	0	RS-700	-0.62930503145
15362	-122.360	37.717	2075.973	2088747.955	6023720.687	0	RS-700	-0.45299918239
15363	-122.360	37.717	2156.199	2088749.555	6023718.954	0	RS-700	0.05156874214
15364	-122.360	37.717	2116.863	2088751.115	6023717.422	0	RS-700	-0.19583157233
15365	-122.360	37.717	2155.202	2088752.636	6023716.006	0	RS-700	0.04529471698
15366	-122.360	37.717	2139.964	2088754.231	6023714.591	0	RS-700	-0.05053792453
15367	-122.360	37.717	2150.987	2088755.648	6023712.884	0	RS-700	0.01878679245
15368	-122.360	37.717	2160.759	2088757.073	6023710.858	0	RS-700	0.08024622642
15369	-122.360	37.717	2191.902	2088758.353	6023708.742	0	RS-700	0.27611339623
15370	-122.360	37.717	2114.078	2088759.529	6023706.365	0	RS-700	-0.21334283019
15371	-122.360	37.717	2119.285	2088760.671	6023703.899	0	RS-700	-0.18059528302
15372	-122.360	37.717	2145.518	2088761.302	6023701.453	0	RS-700	-0.01561018868
15373	-122.360	37.717	2182.752	2088761.417	6023699.314	0	RS-700	0.21856735849
15374	-122.360	37.717	2129.763	2088761.447	6023697.810	0	RS-700	-0.11470069182
15375	-122.360	37.717	2176.783	2088761.656	6023696.484	0	RS-700	0.18102691824
15376	-122.360	37.717	2143.656	2088762.384	6023694.675	0	RS-700	-0.02732389937
15377	-122.360	37.717	2191.552	2088763.695	6023692.821	0	RS-700	0.27391358491
15378	-122.360	37.717	2140.998	2088765.401	6023691.293	0	RS-700	-0.04403597484
15379	-122.360	37.717	2062.951	2088766.924	6023689.761	0	RS-700	-0.53489886793
15380	-122.360	37.717	2050.041	2088768.377	6023688.141	0	RS-700	-0.61609477987
15381	-122.360	37.717	2165.772	2088769.723	6023686.403	0	RS-700	0.11177628931
15382	-122.360	37.717	2024.137	2088771.177	6023684.667	0	RS-700	-0.77901559748
15383	-122.360	37.717	2153.443	2088772.814	6023682.935	0	RS-700	0.03423213836
15384	-122.360	37.717	2192.225	2088774.700	6023681.497	0	RS-700	0.27814698113
15385	-122.360	37.717	2102.448	2088776.873	6023680.296	0	RS-700	-0.28648911950
15386	-122.360	37.717	2111.439	2088779.156	6023679.010	0	RS-700	-0.22994396226
15387	-122.360	37.717	2087.055	2088781.114	6023677.632	0	RS-700	-0.38329880503
15388	-122.360	37.717	2174.319	2088782.534	6023675.837	0	RS-700	0.16552937107
15389	-122.360	37.717	2073.431	2088783.373	6023673.916	0	RS-700	-0.46898918239

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15390	-122.360	37.717	2112.856	2088784.211	6023672.081	0	RS-700	-0.22103081761
15391	-122.360	37.717	2118.759	2088785.193	6023670.306	0	RS-700	-0.18390553459
15392	-122.360	37.717	2096.322	2088786.397	6023668.363	0	RS-700	-0.32502062893
15393	-122.360	37.717	2117.223	2088787.744	6023666.567	0	RS-700	-0.19356842767
15394	-122.360	37.717	2144.674	2088789.233	6023664.948	0	RS-700	-0.02091886792
15395	-122.360	37.717	2044.832	2088790.429	6023663.380	0	RS-700	-0.64885515723
15396	-122.360	37.717	2252.143	2088791.373	6023661.692	0	RS-700	0.65498477987
15397	-122.360	37.717	2183.991	2088791.989	6023660.027	0	RS-700	0.22635798742
15398	-122.360	37.717	2216.905	2088792.712	6023658.450	0	RS-700	0.43336767296
15399	-122.360	37.717	2173.341	2088793.729	6023656.763	0	RS-700	0.15937698113
15400	-122.360	37.717	2204.891	2088795.110	6023655.084	0	RS-700	0.35780597484
15401	-122.360	37.717	2151.093	2088796.708	6023653.495	0	RS-700	0.01945144654
15402	-122.360	37.717	2156.101	2088798.191	6023652.165	0	RS-700	0.05095238994
15403	-122.360	37.717	2159.104	2088799.008	6023651.342	0	RS-700	0.06983899371
15404	-122.360	37.717	2183.452	2088799.306	6023651.030	0	RS-700	0.22296685535
15405	-122.360	37.717	2210.565	2088799.307	6023651.001	0	RS-700	0.39348911950
15406	-122.360	37.717	2165.676	2088799.307	6023650.972	0	RS-700	0.11116672956
15407	-122.360	37.717	2274.148	2088799.307	6023650.972	0	RS-700	0.79338232704
15408	-122.360	37.717	2294.937	2088799.307	6023650.972	0	RS-700	0.92412981132
15409	-122.360	37.717	2198.673	2088799.307	6023650.972	0	RS-700	0.31869503145
15410	-122.360	37.717	2200.011	2088799.307	6023651.001	0	RS-700	0.32711094340
15411	-122.360	37.717	2215.570	2088799.307	6023651.001	0	RS-700	0.42496798742
15412	-122.360	37.717	2225.686	2088799.270	6023651.000	0	RS-700	0.48859119497
15413	-122.360	37.717	2148.447	2088799.307	6023651.001	0	RS-700	0.00280893082
15414	-122.360	37.717	2231.024	2088799.270	6023651.000	0	RS-700	0.52216597484
15415	-122.360	37.717	2162.449	2088799.307	6023651.001	0	RS-700	0.09087591195
15416	-122.360	37.717	2292.624	2088799.270	6023651.000	0	RS-700	0.90958251572
15417	-122.360	37.717	2209.024	2088799.270	6023651.000	0	RS-700	0.38379748428
15418	-122.360	37.717	2273.916	2088799.307	6023651.001	0	RS-700	0.79192220126
15419	-122.360	37.717	2151.970	2088799.307	6023651.001	0	RS-700	0.02497037736
15420	-122.360	37.717	2239.503	2088799.307	6023651.001	0	RS-700	0.57549163522
15421	-122.360	37.717	2194.240	2088799.271	6023650.971	0	RS-700	0.29081446541
15422	-122.360	37.717	2214.790	2088799.271	6023650.971	0	RS-700	0.42006270440
15423	-122.360	37.717	2196.228	2088799.271	6023650.971	0	RS-700	0.30332182390
15424	-122.360	37.717	2248.025	2088799.306	6023651.030	0	RS-700	0.62908792453
15425	-122.360	37.717	2286.720	2088799.270	6023651.000	0	RS-700	0.87245477987
15426	-122.360	37.717	2259.921	2088799.271	6023650.971	0	RS-700	0.70390811321
15427	-122.360	37.717	2224.017	2088799.234	6023650.971	0	RS-700	0.47809295598
15428	-122.360	37.717	2197.009	2088799.270	6023651.000	0	RS-700	0.30823572327
15429	-122.360	37.717	2218.571	2088799.270	6023651.000	0	RS-700	0.44384427673
15430	-122.360	37.717	2219.725	2088799.270	6023651.029	0	RS-700	0.45110069182
15431	-122.360	37.717	2138.672	2088799.162	6023650.969	0	RS-700	-0.05866924528
15432	-122.360	37.717	2222.793	2088799.162	6023650.940	0	RS-700	0.47039742138
15433	-122.360	37.717	2171.429	2088800.018	6023650.003	0	RS-700	0.14735465409
15434	-122.360	37.717	2266.182	2088801.365	6023648.207	0	RS-700	0.74328553459

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15435	-122.360	37.717	2190.556	2088802.571	6023646.177	0	RS-700	0.26765037736
15436	-122.360	37.717	2077.749	2088803.528	6023643.823	0	RS-700	-0.44183289308
15437	-122.360	37.717	2052.043	2088804.673	6023641.185	0	RS-700	-0.60350553459
15438	-122.360	37.717	2088.743	2088805.924	6023638.721	0	RS-700	-0.37268364780
15439	-122.360	37.717	2158.776	2088807.431	6023636.177	0	RS-700	0.06777490566
15440	-122.360	37.717	2147.096	2088808.975	6023633.661	0	RS-700	-0.00568415094
15441	-122.360	37.717	2099.749	2088810.373	6023631.085	0	RS-700	-0.30346270440
15442	-122.360	37.717	2075.333	2088811.845	6023628.511	0	RS-700	-0.45702622642
15443	-122.360	37.717	2243.261	2088813.532	6023626.057	0	RS-700	0.59912786164
15444	-122.360	37.717	2171.435	2088815.727	6023623.728	0	RS-700	0.14738748428
15445	-122.360	37.717	2169.991	2088818.134	6023621.751	0	RS-700	0.13830553459
15446	-122.360	37.717	2160.764	2088820.715	6023620.153	0	RS-700	0.08027716981
15447	-122.360	37.717	2192.888	2088823.293	6023618.700	0	RS-700	0.28231534591
15448	-122.360	37.717	2164.558	2088825.837	6023617.159	0	RS-700	0.10413836478
15449	-122.360	37.717	2167.645	2088828.095	6023615.295	0	RS-700	0.12355465409
15450	-122.360	37.717	2170.660	2088829.924	6023613.074	0	RS-700	0.14251465409
15451	-122.360	37.717	2123.542	2088831.648	6023610.621	0	RS-700	-0.15382320755
15452	-122.360	37.717	2129.552	2088833.190	6023608.192	0	RS-700	-0.11602496855
15453	-122.360	37.717	2100.421	2088834.441	6023605.700	0	RS-700	-0.29923748428
15454	-122.360	37.717	2147.444	2088835.475	6023603.146	0	RS-700	-0.00349905660
15455	-122.360	37.717	2220.783	2088836.506	6023600.765	0	RS-700	0.45775503145
15456	-122.360	37.717	2075.951	2088837.714	6023598.590	0	RS-700	-0.45313559748
15457	-122.360	37.717	2212.460	2088839.035	6023596.302	0	RS-700	0.40540660377
15458	-122.360	37.717	2092.224	2088840.388	6023594.188	0	RS-700	-0.35079383648
15459	-122.360	37.717	2237.693	2088842.070	6023592.023	0	RS-700	0.56410628931
15460	-122.360	37.717	2149.342	2088843.825	6023589.830	0	RS-700	0.00843924528
15461	-122.360	37.717	2227.126	2088845.436	6023587.577	0	RS-700	0.49764993711
15462	-122.360	37.717	2277.908	2088847.119	6023585.354	0	RS-700	0.81703018868
15463	-122.360	37.717	2251.029	2088848.909	6023583.219	0	RS-700	0.64798220126
15464	-122.360	37.717	2275.816	2088850.847	6023581.030	0	RS-700	0.80387245283
15465	-122.360	37.717	2218.131	2088853.110	6023578.934	0	RS-700	0.44107805031
15466	-122.360	37.717	2301.159	2088855.371	6023576.925	0	RS-700	0.96326333333
15467	-122.360	37.717	2338.839	2088857.341	6023574.939	0	RS-700	1.20024345912
15468	-122.360	37.717	2256.349	2088858.985	6023572.831	0	RS-700	0.68144150943
15469	-122.360	37.717	2339.958	2088860.735	6023570.928	0	RS-700	1.20728603774
15470	-122.360	37.717	2380.857	2088862.524	6023568.880	0	RS-700	1.46451163522
15471	-122.360	37.717	2303.253	2088864.309	6023567.035	0	RS-700	0.97643402516
15472	-122.360	37.717	2181.118	2088865.800	6023565.300	0	RS-700	0.20829106918
15473	-122.360	37.717	2253.715	2088867.333	6023563.306	0	RS-700	0.66487540881
15474	-122.360	37.717	2208.570	2088869.127	6023560.998	0	RS-700	0.38094081761
15475	-122.360	37.717	2204.799	2088870.810	6023558.746	0	RS-700	0.35722471698
15476	-122.361	37.717	2203.904	2088872.056	6023556.514	0	RS-700	0.35159723270
15477	-122.361	37.717	2222.160	2088873.082	6023554.394	0	RS-700	0.46641729560
15478	-122.361	37.717	2170.343	2088874.141	6023552.418	0	RS-700	0.14052452830
15479	-122.361	37.717	2240.484	2088875.351	6023550.157	0	RS-700	0.58166018868

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15480	-122.361	37.717	2156.314	2088876.602	6023547.723	0	RS-700	0.05229232704
15481	-122.361	37.717	2225.788	2088877.925	6023545.261	0	RS-700	0.48923352201
15482	-122.361	37.717	2224.795	2088879.133	6023543.115	0	RS-700	0.48298742138
15483	-122.361	37.717	2184.565	2088880.259	6023541.431	0	RS-700	0.22996993711
15484	-122.361	37.717	2111.964	2088881.675	6023539.810	0	RS-700	-0.22664132076
15485	-122.361	37.717	2074.842	2088883.717	6023537.883	0	RS-700	-0.46011018868
15486	-122.361	37.717	2065.638	2088885.756	6023536.072	0	RS-700	-0.51799987421
15487	-122.361	37.717	2208.566	2088887.719	6023534.404	0	RS-700	0.38091723270
15488	-122.361	37.717	2070.429	2088889.362	6023532.354	0	RS-700	-0.48786509434
15489	-122.361	37.717	2154.317	2088891.182	6023530.597	0	RS-700	0.03973245283
15490	-122.361	37.717	2128.656	2088892.563	6023528.917	0	RS-700	-0.12165742138
15491	-122.361	37.717	1859.386	2088893.574	6023527.520	0	RS-700	-1.81517937107
15492	-122.361	37.717	2052.734	2088894.581	6023526.325	0	RS-700	-0.59915955975
15493	-122.361	37.717	2272.042	2088895.523	6023524.752	0	RS-700	0.78013805031
15494	-122.361	37.717	2217.138	2088896.871	6023522.898	0	RS-700	0.43483182390
15495	-122.361	37.717	2329.484	2088897.931	6023520.837	0	RS-700	1.14140937107
15496	-122.361	37.717	2371.087	2088899.062	6023518.921	0	RS-700	1.40306383648
15497	-122.361	37.717	2283.818	2088900.265	6023517.035	0	RS-700	0.85420352201
15498	-122.361	37.717	2225.250	2088901.399	6023514.946	0	RS-700	0.48585106918
15499	-122.361	37.717	2302.747	2088902.570	6023512.857	0	RS-700	0.97325119497
15500	-122.361	37.717	2277.475	2088903.703	6023510.797	0	RS-700	0.81430911950
15501	-122.361	37.717	2401.738	2088904.584	6023508.644	0	RS-700	1.59583704403
15502	-122.361	37.717	2355.253	2088905.357	6023506.374	0	RS-700	1.30347723270
15503	-122.361	37.717	2324.600	2088905.903	6023504.563	0	RS-700	1.11069257862
15504	-122.361	37.717	2354.312	2088906.291	6023503.355	0	RS-700	1.29756062893
15505	-122.361	37.717	2344.193	2088906.447	6023502.838	0	RS-700	1.23391918239
15506	-122.361	37.717	2392.215	2088906.488	6023502.636	0	RS-700	1.53594389937
15507	-122.361	37.717	2430.729	2088906.487	6023502.665	0	RS-700	1.77817062893
15508	-122.361	37.717	2370.489	2088906.487	6023502.665	0	RS-700	1.39929974843
15509	-122.361	37.717	2247.029	2088906.451	6023502.664	0	RS-700	0.62282150943
15510	-122.361	37.717	2368.972	2088906.451	6023502.664	0	RS-700	1.38976308176
15511	-122.361	37.717	2397.878	2088906.487	6023502.665	0	RS-700	1.57155937107
15512	-122.361	37.717	2306.646	2088906.490	6023502.491	0	RS-700	0.99777213837
15513	-122.361	37.717	2443.118	2088906.492	6023502.404	0	RS-700	1.85608572327
15514	-122.361	37.717	2421.475	2088906.456	6023502.404	0	RS-700	1.71997132075
15515	-122.361	37.717	2368.845	2088906.570	6023502.175	0	RS-700	1.38896018868
15516	-122.361	37.717	2306.833	2088906.615	6023501.742	0	RS-700	0.99895169811
15517	-122.361	37.717	2350.960	2088906.662	6023501.164	0	RS-700	1.27647830189
15518	-122.361	37.717	2341.956	2088906.666	6023500.990	0	RS-700	1.21985025157
15519	-122.361	37.717	2421.232	2088906.665	6023501.048	0	RS-700	1.71843899371
15520	-122.361	37.717	2290.713	2088906.665	6023501.048	0	RS-700	0.89756352201
15521	-122.361	37.717	2302.631	2088906.664	6023501.077	0	RS-700	0.97252283019
15522	-122.361	37.717	2370.252	2088906.628	6023501.047	0	RS-700	1.39781308176
15523	-122.361	37.717	2359.195	2088906.628	6023501.047	0	RS-700	1.32827157233
15524	-122.361	37.717	2310.597	2088906.592	6023501.047	0	RS-700	1.02262314465



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15525	-122.361	37.717	2377.616	2088906.592	6023501.047	0	RS-700	1.44412742138
15526	-122.361	37.717	2325.188	2088906.592	6023501.047	0	RS-700	1.11438754717
15527	-122.361	37.717	2233.793	2088906.592	6023501.047	0	RS-700	0.53957987421
15528	-122.361	37.717	2332.483	2088906.556	6023501.017	0	RS-700	1.16027069182
15529	-122.361	37.717	2377.975	2088906.593	6023500.989	0	RS-700	1.44638352201
15530	-122.361	37.717	2302.520	2088906.557	6023500.988	0	RS-700	0.97182654088
15531	-122.361	37.717	2402.221	2088906.594	6023500.931	0	RS-700	1.59887572327
15532	-122.361	37.717	2355.201	2088906.523	6023500.872	0	RS-700	1.30314861635
15533	-122.361	37.717	2424.092	2088906.522	6023500.901	0	RS-700	1.73642672956
15534	-122.361	37.717	2310.831	2088906.522	6023500.901	0	RS-700	1.02409301887
15535	-122.361	37.717	2370.037	2088906.521	6023500.930	0	RS-700	1.39646031447
15536	-122.361	37.717	2367.259	2088906.521	6023500.930	0	RS-700	1.37899031447
15537	-122.361	37.717	2346.726	2088906.486	6023500.900	0	RS-700	1.24985188679
15538	-122.361	37.717	2399.098	2088906.485	6023500.929	0	RS-700	1.57923490566
15539	-122.361	37.717	2318.066	2088906.449	6023500.928	0	RS-700	1.06959465409
15540	-122.361	37.717	2398.571	2088906.449	6023500.899	0	RS-700	1.57591981132
15541	-122.361	37.717	2366.968	2088906.450	6023500.870	0	RS-700	1.37715515723
15542	-122.361	37.717	2348.427	2088906.449	6023500.899	0	RS-700	1.26054924528
15543	-122.361	37.717	2417.626	2088906.450	6023500.870	0	RS-700	1.69575886792
15544	-122.361	37.717	2334.652	2088906.450	6023500.870	0	RS-700	1.17391062893
15545	-122.361	37.717	2442.097	2088906.450	6023500.870	0	RS-700	1.84966503145
15546	-122.361	37.717	2379.980	2088906.450	6023500.870	0	RS-700	1.45899295597
15547	-122.361	37.717	2388.087	2088906.450	6023500.870	0	RS-700	1.50998037736
15548	-122.361	37.717	2323.073	2088906.413	6023500.870	0	RS-700	1.10109050314
15549	-122.361	37.717	2337.189	2088906.449	6023500.899	0	RS-700	1.18986666667
15550	-122.361	37.717	2318.600	2088906.449	6023500.899	0	RS-700	1.07295767296
15551	-122.361	37.717	2299.170	2088906.449	6023500.899	0	RS-700	0.95075207547
15552	-122.361	37.717	2332.533	2088906.452	6023500.755	0	RS-700	1.16058773585
15553	-122.361	37.717	2330.604	2088906.504	6023499.975	0	RS-700	1.14845522013
15554	-122.361	37.717	2238.467	2088906.554	6023499.281	0	RS-700	0.56897566038
15555	-122.361	37.717	2395.617	2088906.519	6023499.223	0	RS-700	1.55733830189
15556	-122.361	37.717	2354.967	2088906.516	6023499.367	0	RS-700	1.30167704403
15557	-122.361	37.717	2327.715	2088906.515	6023499.425	0	RS-700	1.13028056604
15558	-122.361	37.717	2357.844	2088906.515	6023499.425	0	RS-700	1.31977364780
15559	-122.361	37.717	2353.080	2088906.514	6023499.454	0	RS-700	1.28981308176
15560	-122.361	37.717	2364.729	2088906.515	6023499.425	0	RS-700	1.36307427673
15561	-122.361	37.717	2410.622	2088906.515	6023499.425	0	RS-700	1.65171364780
15562	-122.361	37.717	2260.362	2088906.515	6023499.425	0	RS-700	0.70667968554
15563	-122.361	37.717	2228.565	2088906.515	6023499.425	0	RS-700	0.50669798742
15564	-122.361	37.717	2370.559	2088906.552	6023499.397	0	RS-700	1.39974081761
15565	-122.361	37.717	2436.752	2088906.516	6023499.396	0	RS-700	1.81605283019
15566	-122.361	37.717	2328.951	2088906.516	6023499.367	0	RS-700	1.13805471698
15567	-122.361	37.717	2369.849	2088906.479	6023499.395	0	RS-700	1.39527635220
15568	-122.361	37.717	2371.088	2088906.480	6023499.367	0	RS-700	1.40307201258
15569	-122.361	37.717	2337.445	2088906.479	6023499.395	0	RS-700	1.19147704403

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15570	-122.361	37.717	2300.054	2088906.443	6023499.366	0	RS-700	0.95631484277
15571	-122.361	37.717	2419.473	2088906.443	6023499.366	0	RS-700	1.70737471698
15572	-122.361	37.717	2335.093	2088906.443	6023499.366	0	RS-700	1.17668654088
15573	-122.361	37.717	2307.280	2088906.443	6023499.366	0	RS-700	1.00176037736
15574	-122.361	37.717	2364.558	2088906.443	6023499.366	0	RS-700	1.36200301887
15575	-122.361	37.717	2342.676	2088906.407	6023499.365	0	RS-700	1.22437496855
15576	-122.361	37.717	2337.950	2088906.407	6023499.365	0	RS-700	1.19465459119
15577	-122.361	37.717	2327.649	2088906.370	6023499.364	0	RS-700	1.12986823899
15578	-122.361	37.717	2361.216	2088906.370	6023499.364	0	RS-700	1.34098031447
15579	-122.361	37.717	2334.372	2088906.334	6023499.364	0	RS-700	1.17214880503
15580	-122.361	37.717	2359.804	2088906.335	6023499.335	0	RS-700	1.33209924528
15581	-122.361	37.717	2349.257	2088906.298	6023499.334	0	RS-700	1.26576811321
15582	-122.361	37.717	2284.164	2088906.335	6023499.335	0	RS-700	0.85637503145
15583	-122.361	37.717	2350.961	2088906.298	6023499.334	0	RS-700	1.27648534591
15584	-122.361	37.717	2364.969	2088906.298	6023499.334	0	RS-700	1.36458289308
15585	-122.361	37.717	2302.745	2088906.335	6023499.335	0	RS-700	0.97323968554
15586	-122.361	37.717	2297.594	2088906.299	6023499.305	0	RS-700	0.94083987421
15587	-122.361	37.717	2382.742	2088906.299	6023499.305	0	RS-700	1.47636710692
15588	-122.361	37.717	2277.725	2088906.299	6023499.305	0	RS-700	0.81587861635
15589	-122.361	37.717	2312.945	2088906.299	6023499.305	0	RS-700	1.03739176101
15590	-122.361	37.717	2315.820	2088906.263	6023499.275	0	RS-700	1.05547025157
15591	-122.361	37.717	2269.608	2088906.263	6023499.275	0	RS-700	0.76483314465
15592	-122.361	37.717	2331.843	2088906.262	6023499.304	0	RS-700	1.15624830189
15593	-122.361	37.717	2326.092	2088906.254	6023499.709	0	RS-700	1.12007603774
15594	-122.361	37.717	2217.900	2088906.119	6023501.037	0	RS-700	0.43962150943
15595	-122.361	37.717	2373.730	2088905.997	6023501.642	0	RS-700	1.41968471698
15596	-122.361	37.717	2348.555	2088906.637	6023500.614	0	RS-700	1.26135037736
15597	-122.361	37.717	2374.740	2088908.162	6023499.024	0	RS-700	1.42603949686
15598	-122.361	37.717	2384.994	2088910.082	6023497.673	0	RS-700	1.49052559748
15599	-122.361	37.717	2271.379	2088912.183	6023496.442	0	RS-700	0.77596842767
15600	-122.361	37.717	2239.920	2088914.207	6023495.383	0	RS-700	0.57811264151
15601	-122.361	37.717	2197.682	2088916.048	6023494.349	0	RS-700	0.31246672956
15602	-122.361	37.717	2149.310	2088917.155	6023493.648	0	RS-700	0.00823918239
15603	-122.361	37.717	2288.046	2088917.340	6023493.507	0	RS-700	0.88079490566
15604	-122.361	37.717	2339.713	2088917.340	6023493.507	0	RS-700	1.20573937107
15605	-122.361	37.717	2241.140	2088917.340	6023493.507	0	RS-700	0.58578679245
15606	-122.361	37.717	2240.916	2088917.376	6023493.508	0	RS-700	0.58437710692
15607	-122.361	37.717	2278.385	2088917.376	6023493.537	0	RS-700	0.82003383648
15608	-122.361	37.717	2166.897	2088917.412	6023493.537	0	RS-700	0.11884805031
15609	-122.361	37.717	2226.568	2088917.412	6023493.537	0	RS-700	0.49413584906
15610	-122.361	37.717	2231.913	2088917.412	6023493.537	0	RS-700	0.52775163522
15611	-122.361	37.717	2316.783	2088917.448	6023493.538	0	RS-700	1.06152522013
15612	-122.361	37.717	2315.173	2088917.448	6023493.538	0	RS-700	1.05140471698
15613	-122.361	37.717	2243.131	2088917.484	6023493.568	0	RS-700	0.59830641509
15614	-122.361	37.717	2261.696	2088917.448	6023493.538	0	RS-700	0.71507169811

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15615	-122.361	37.717	2245.478	2088917.485	6023493.510	0	RS-700	0.61306735849
15616	-122.361	37.717	2325.530	2088917.521	6023493.540	0	RS-700	1.11653993711
15617	-122.361	37.717	2291.521	2088917.521	6023493.569	0	RS-700	0.90264647799
15618	-122.361	37.717	2280.576	2088917.521	6023493.569	0	RS-700	0.83380874214
15619	-122.361	37.717	2299.070	2088917.521	6023493.569	0	RS-700	0.95012735849
15620	-122.361	37.717	2268.543	2088917.521	6023493.569	0	RS-700	0.75813339623
15621	-122.361	37.717	2261.698	2088917.484	6023493.568	0	RS-700	0.71508440252
15622	-122.361	37.717	2282.704	2088917.521	6023493.540	0	RS-700	0.84719264151
15623	-122.361	37.717	2296.502	2088917.521	6023493.569	0	RS-700	0.93397603774
15624	-122.361	37.717	2267.586	2088917.521	6023493.569	0	RS-700	0.75211327044
15625	-122.361	37.717	2211.131	2088917.484	6023493.568	0	RS-700	0.39704761006
15626	-122.361	37.717	2245.166	2088917.521	6023493.540	0	RS-700	0.61110779874
15627	-122.361	37.717	2266.042	2088917.705	6023493.457	0	RS-700	0.74240308176
15628	-122.361	37.717	2162.781	2088918.259	6023493.063	0	RS-700	0.09296006289
15629	-122.361	37.717	2217.449	2088919.223	6023492.185	0	RS-700	0.43678446541
15630	-122.361	37.717	2276.587	2088920.154	6023491.162	0	RS-700	0.80872534591
15631	-122.361	37.717	2290.185	2088920.902	6023490.164	0	RS-700	0.89424264151
15632	-122.361	37.717	2329.759	2088921.461	6023489.568	0	RS-700	1.14313874214
15633	-122.361	37.717	2268.142	2088922.424	6023488.719	0	RS-700	0.75561119497
15634	-122.361	37.717	2189.895	2088924.013	6023487.593	0	RS-700	0.26349188679
15635	-122.361	37.717	2146.754	2088925.533	6023486.235	0	RS-700	-0.00783641509
15636	-122.361	37.717	2250.137	2088926.759	6023485.044	0	RS-700	0.64237157233
15637	-122.361	37.717	2188.332	2088927.504	6023484.191	0	RS-700	0.25365974843
15638	-122.361	37.717	2200.890	2088928.103	6023483.364	0	RS-700	0.33263930818
15639	-122.361	37.717	2300.709	2088928.850	6023482.424	0	RS-700	0.96043547170
15640	-122.361	37.717	2242.581	2088930.154	6023480.975	0	RS-700	0.59485194969
15641	-122.361	37.717	2234.243	2088931.606	6023479.383	0	RS-700	0.54240924528
15642	-122.361	37.717	2173.343	2088933.099	6023477.562	0	RS-700	0.15938899371
15643	-122.361	37.717	2222.159	2088934.448	6023475.650	0	RS-700	0.46641025157
15644	-122.361	37.717	2235.026	2088935.720	6023473.911	0	RS-700	0.54733238994
15645	-122.361	37.717	2254.696	2088936.848	6023472.139	0	RS-700	0.67104591195
15646	-122.361	37.717	2326.838	2088937.864	6023470.511	0	RS-700	1.12476679245
15647	-122.361	37.717	2274.286	2088938.915	6023468.940	0	RS-700	0.79425257862
15648	-122.361	37.717	2167.458	2088940.075	6023467.401	0	RS-700	0.12237433962
15649	-122.361	37.717	2216.791	2088941.124	6023465.889	0	RS-700	0.43265031447
15650	-122.361	37.717	2167.661	2088942.247	6023464.378	0	RS-700	0.12365522013
15651	-122.361	37.717	2207.342	2088943.407	6023462.810	0	RS-700	0.37322226415
15652	-122.361	37.717	2220.794	2088944.533	6023461.154	0	RS-700	0.45782559748
15653	-122.361	37.717	2183.001	2088945.589	6023459.323	0	RS-700	0.22013000000
15654	-122.361	37.717	2160.765	2088946.540	6023457.288	0	RS-700	0.08028113208
15655	-122.361	37.717	2134.770	2088947.005	6023455.851	0	RS-700	-0.08320899371
15656	-122.361	37.717	2134.383	2088947.042	6023455.823	0	RS-700	-0.08564012579
15657	-122.361	37.717	2120.448	2088947.119	6023455.622	0	RS-700	-0.17328106918
15658	-122.361	37.717	2188.884	2088947.586	6023454.127	0	RS-700	0.25713327044
15659	-122.361	37.717	2212.798	2088948.493	6023452.467	0	RS-700	0.40753333333

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15660	-122.361	37.717	2160.626	2088949.806	6023450.555	0	RS-700	0.07941106918
15661	-122.361	37.717	2115.968	2088951.330	6023448.965	0	RS-700	-0.20145830189
15662	-122.361	37.717	2183.566	2088952.964	6023447.406	0	RS-700	0.22368584906
15663	-122.361	37.717	2287.968	2088954.519	6023446.135	0	RS-700	0.88030018868
15664	-122.361	37.717	2274.038	2088956.181	6023444.953	0	RS-700	0.79269150943
15665	-122.361	37.717	2253.939	2088957.956	6023443.629	0	RS-700	0.66628245283
15666	-122.361	37.717	2317.830	2088959.698	6023442.072	0	RS-700	1.06811459119
15667	-122.361	37.717	2353.726	2088961.297	6023440.426	0	RS-700	1.29387578616
15668	-122.361	37.717	2318.944	2088962.565	6023438.918	0	RS-700	1.07511679245
15669	-122.361	37.717	2224.692	2088963.541	6023437.462	0	RS-700	0.48233955975
15670	-122.361	37.717	2343.606	2088964.297	6023436.088	0	RS-700	1.23022886792
15671	-122.361	37.717	2374.083	2088964.942	6023434.770	0	RS-700	1.42190509434
15672	-122.361	37.717	2303.831	2088965.550	6023433.481	0	RS-700	0.98006930818
15673	-122.361	37.717	2314.946	2088966.562	6023432.054	0	RS-700	1.04997276730
15674	-122.361	37.717	2328.830	2088967.980	6023430.347	0	RS-700	1.13729364780
15675	-122.361	37.717	2331.479	2088969.434	6023428.669	0	RS-700	1.15395383648
15676	-122.361	37.717	2252.807	2088970.701	6023427.218	0	RS-700	0.65916446541
15677	-122.361	37.717	2228.368	2088971.931	6023425.796	0	RS-700	0.50546044025
15678	-122.361	37.717	2231.014	2088973.345	6023424.262	0	RS-700	0.52210238994
15679	-122.361	37.717	2245.587	2088974.722	6023422.785	0	RS-700	0.61375503145
15680	-122.361	37.717	2271.284	2088975.658	6023421.531	0	RS-700	0.77536830189
15681	-122.361	37.717	2173.771	2088976.409	6023420.360	0	RS-700	0.16208408805
15682	-122.361	37.717	2356.194	2088976.934	6023419.618	0	RS-700	1.30939484277
15683	-122.361	37.717	2308.053	2088976.972	6023419.532	0	RS-700	1.00662484277
15684	-122.361	37.717	2268.038	2088977.008	6023419.562	0	RS-700	0.75495396226
15685	-122.361	37.717	2332.961	2088977.723	6023418.419	0	RS-700	1.16327817610
15686	-122.361	37.717	2234.686	2088978.779	6023416.559	0	RS-700	0.54519440252
15687	-122.361	37.717	2274.318	2088979.908	6023414.730	0	RS-700	0.79445000000
15688	-122.361	37.717	2248.801	2088981.004	6023412.727	0	RS-700	0.63396880503
15689	-122.361	37.717	2126.765	2088981.993	6023410.606	0	RS-700	-0.13355364780
15690	-122.361	37.717	2216.460	2088982.764	6023408.451	0	RS-700	0.43056672956
15691	-122.361	37.717	2178.790	2088983.425	6023406.352	0	RS-700	0.19365044025
15692	-122.361	37.717	2225.579	2088984.305	6023404.258	0	RS-700	0.48791635220
15693	-122.361	37.717	2256.696	2088985.473	6023402.285	0	RS-700	0.68362345912
15694	-122.361	37.717	2321.776	2088987.003	6023400.406	0	RS-700	1.09292905660
15695	-122.361	37.717	2269.268	2088988.928	6023398.853	0	RS-700	0.76268880503
15696	-122.361	37.717	2334.961	2088990.921	6023397.533	0	RS-700	1.17585220126
15697	-122.361	37.717	2327.842	2088992.872	6023396.472	0	RS-700	1.13108295597
15698	-122.361	37.717	2279.844	2088994.717	6023395.265	0	RS-700	0.82920654088
15699	-122.361	37.717	2307.179	2088996.460	6023393.680	0	RS-700	1.00112591195
15700	-122.361	37.717	2219.914	2088997.954	6023391.829	0	RS-700	0.45228968554
15701	-122.361	37.717	2231.911	2088999.117	6023390.116	0	RS-700	0.52774245283
15702	-122.361	37.717	2282.918	2089000.132	6023388.545	0	RS-700	0.84853955975
15703	-122.361	37.717	2307.290	2089001.294	6023386.890	0	RS-700	1.00182566038
15704	-122.361	37.717	2305.919	2089002.573	6023384.804	0	RS-700	0.99319905660

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15705	-122.361	37.717	2270.367	2089003.895	6023382.429	0	RS-700	0.76960641509
15706	-122.361	37.717	2222.791	2089004.960	6023380.165	0	RS-700	0.47038276730
15707	-122.361	37.717	2232.688	2089005.831	6023378.475	0	RS-700	0.53262924528
15708	-122.361	37.717	2228.790	2089006.701	6023376.872	0	RS-700	0.50811031447
15709	-122.361	37.717	2298.933	2089007.571	6023375.241	0	RS-700	0.94926616352
15710	-122.361	37.717	2155.446	2089008.692	6023373.787	0	RS-700	0.04682955975
15711	-122.361	37.717	2191.666	2089010.030	6023372.454	0	RS-700	0.27463050315
15712	-122.361	37.717	2152.985	2089011.697	6023371.012	0	RS-700	0.03135106918
15713	-122.361	37.717	2197.899	2089013.210	6023370.059	0	RS-700	0.31382710692
15714	-122.361	37.717	2212.810	2089014.240	6023369.529	0	RS-700	0.40760836478
15715	-122.361	37.717	2200.447	2089014.203	6023369.529	0	RS-700	0.32985477987
15716	-122.361	37.717	2215.686	2089014.166	6023369.557	0	RS-700	0.42569528302
15717	-122.361	37.717	2164.977	2089014.130	6023369.556	0	RS-700	0.10677188679
15718	-122.361	37.717	2218.462	2089014.131	6023369.527	0	RS-700	0.44315408805
15719	-122.361	37.717	2208.794	2089014.130	6023369.556	0	RS-700	0.38235484277
15720	-122.361	37.717	2217.248	2089014.094	6023369.526	0	RS-700	0.43552471698
15721	-122.361	37.717	2247.236	2089014.058	6023369.497	0	RS-700	0.62412352201
15722	-122.361	37.717	2207.675	2089014.021	6023369.525	0	RS-700	0.37531553459
15723	-122.361	37.717	2124.868	2089014.279	6023369.414	0	RS-700	-0.14548522013
15724	-122.361	37.717	2252.033	2089015.497	6023368.600	0	RS-700	0.65429245283
15725	-122.361	37.717	2238.575	2089017.091	6023367.156	0	RS-700	0.56965584906
15726	-122.361	37.717	2314.182	2089018.442	6023365.187	0	RS-700	1.04516698113
15727	-122.361	37.717	2220.917	2089019.431	6023363.065	0	RS-700	0.45859691824
15728	-122.361	37.717	2165.641	2089020.023	6023360.763	0	RS-700	0.11094867925
15729	-122.361	37.717	2185.996	2089020.685	6023358.577	0	RS-700	0.23896930818
15730	-122.361	37.717	2111.543	2089021.562	6023356.627	0	RS-700	-0.22928937107
15731	-122.361	37.717	2236.935	2089022.688	6023354.943	0	RS-700	0.55933654088
15732	-122.361	37.717	2172.648	2089024.177	6023353.295	0	RS-700	0.15501654088
15733	-122.361	37.717	2329.200	2089025.955	6023351.826	0	RS-700	1.13962132075
15734	-122.361	37.717	2261.806	2089027.838	6023350.503	0	RS-700	0.71576069182
15735	-122.361	37.717	2143.093	2089029.757	6023349.240	0	RS-700	-0.03086308176
15736	-122.361	37.717	2219.459	2089031.828	6023347.661	0	RS-700	0.44942710692
15737	-122.361	37.717	2209.920	2089033.900	6023346.053	0	RS-700	0.38943503145
15738	-122.361	37.717	2146.556	2089035.647	6023344.236	0	RS-700	-0.00908056604
15739	-122.361	37.717	2284.383	2089037.178	6023342.357	0	RS-700	0.85775591195
15740	-122.361	37.717	2109.750	2089038.750	6023340.219	0	RS-700	-0.24056767296
15741	-122.361	37.717	2178.779	2089040.063	6023338.306	0	RS-700	0.19358069182
15742	-122.361	37.717	2193.675	2089041.454	6023336.107	0	RS-700	0.28726591195
15743	-122.361	37.717	2129.973	2089042.878	6023334.081	0	RS-700	-0.11338006289
15744	-122.361	37.717	2165.567	2089044.370	6023332.317	0	RS-700	0.11048408805
15745	-122.361	37.717	2071.634	2089045.969	6023330.671	0	RS-700	-0.48029025157
15746	-122.361	37.717	2209.682	2089047.388	6023328.905	0	RS-700	0.38793509434
15747	-122.361	37.717	2132.661	2089048.774	6023326.965	0	RS-700	-0.09647163522
15748	-122.361	37.717	2149.985	2089050.164	6023324.823	0	RS-700	0.01248666667
15749	-122.361	37.717	2181.672	2089051.409	6023322.678	0	RS-700	0.21177169811

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15750	-122.361	37.717	2173.669	2089052.428	6023320.847	0	RS-700	0.16144075472
15751	-122.361	37.717	2243.699	2089053.230	6023319.012	0	RS-700	0.60187993711
15752	-122.361	37.717	2160.094	2089053.965	6023316.827	0	RS-700	0.07606226415
15753	-122.361	37.717	2145.776	2089054.628	6023314.613	0	RS-700	-0.01398616352
15754	-122.361	37.717	2164.774	2089055.285	6023312.717	0	RS-700	0.10549641509
15755	-122.361	37.717	2187.896	2089056.412	6023311.003	0	RS-700	0.25092132076
15756	-122.361	37.717	2198.678	2089057.867	6023309.239	0	RS-700	0.31872930818
15757	-122.361	37.717	2296.059	2089059.247	6023307.588	0	RS-700	0.93118761006
15758	-122.361	37.717	2179.891	2089060.589	6023306.053	0	RS-700	0.20057119497
15759	-122.361	37.717	2162.672	2089061.745	6023304.687	0	RS-700	0.09227364780
15760	-122.361	37.717	2182.552	2089062.750	6023303.607	0	RS-700	0.21730874214
15761	-122.361	37.717	2235.139	2089063.755	6023302.528	0	RS-700	0.54804301887
15762	-122.361	37.717	2225.029	2089065.089	6023301.369	0	RS-700	0.48446094340
15763	-122.361	37.717	2265.703	2089066.497	6023300.181	0	RS-700	0.74026962264
15764	-122.361	37.717	2352.951	2089067.798	6023298.819	0	RS-700	1.28900295597
15765	-122.361	37.717	2364.667	2089069.176	6023297.313	0	RS-700	1.36268553459
15766	-122.361	37.717	2263.574	2089070.593	6023295.634	0	RS-700	0.72687955975
15767	-122.361	37.717	2265.812	2089071.938	6023293.954	0	RS-700	0.74095767296
15768	-122.361	37.717	2242.130	2089073.054	6023292.732	0	RS-700	0.59201264151
15769	-122.361	37.717	2304.713	2089073.467	6023292.133	0	RS-700	0.98561459120
15770	-122.361	37.717	2401.107	2089073.767	6023291.705	0	RS-700	1.59186880503
15771	-122.361	37.717	2348.430	2089074.439	6023290.850	0	RS-700	1.26056427673
15772	-122.361	37.717	2334.186	2089074.328	6023290.935	0	RS-700	1.17098301887
15773	-122.361	37.717	2373.566	2089074.402	6023290.907	0	RS-700	1.41865515723
15774	-122.361	37.718	2378.207	2089075.371	6023289.770	0	RS-700	1.44784201258
15775	-122.361	37.718	2342.728	2089076.492	6023288.374	0	RS-700	1.22470572327
15776	-122.361	37.718	2208.347	2089077.903	6023287.014	0	RS-700	0.37953899371
15777	-122.361	37.718	2214.332	2089079.461	6023285.569	0	RS-700	0.41718509434
15778	-122.361	37.718	2245.369	2089080.986	6023283.951	0	RS-700	0.61238182390
15779	-122.361	37.718	2275.041	2089082.221	6023282.326	0	RS-700	0.79900232704
15780	-122.361	37.718	2313.055	2089083.202	6023280.581	0	RS-700	1.03808320755
15781	-122.361	37.718	2210.903	2089084.224	6023278.634	0	RS-700	0.39561666667
15782	-122.361	37.718	2249.036	2089085.244	6023276.803	0	RS-700	0.63544540881
15783	-122.361	37.718	2185.807	2089086.291	6023275.435	0	RS-700	0.23778207547
15784	-122.361	37.718	2277.822	2089086.930	6023274.435	0	RS-700	0.81649283019
15785	-122.361	37.718	2166.992	2089087.972	6023273.299	0	RS-700	0.11944798742
15786	-122.362	37.718	2182.896	2089089.244	6023271.617	0	RS-700	0.21947075472
15787	-122.362	37.718	2188.895	2089090.555	6023269.763	0	RS-700	0.25720301887
15788	-122.362	37.718	2132.338	2089091.573	6023268.047	0	RS-700	-0.09850188679
15789	-122.362	37.718	2190.454	2089092.297	6023266.441	0	RS-700	0.26700578616
15790	-122.362	37.718	2147.198	2089092.758	6023265.206	0	RS-700	-0.00504238994
15791	-122.362	37.718	2210.683	2089093.592	6023263.574	0	RS-700	0.39423534591
15792	-122.362	37.718	2182.897	2089094.723	6023261.658	0	RS-700	0.21947704403
15793	-122.362	37.718	2186.893	2089096.182	6023259.720	0	RS-700	0.24461018868
15794	-122.362	37.718	2248.358	2089097.675	6023257.898	0	RS-700	0.63118037736

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15795	-122.362	37.718	2183.566	2089099.060	6023255.987	0	RS-700	0.22368540881
15796	-122.362	37.718	2313.826	2089100.185	6023254.361	0	RS-700	1.04292955975
15797	-122.362	37.718	2281.815	2089101.643	6023252.451	0	RS-700	0.84160283019
15798	-122.362	37.718	2355.960	2089103.574	6023250.580	0	RS-700	1.30792503145
15799	-122.362	37.718	2660.498	2089105.355	6023248.967	0	RS-700	1.36216319648
15800	-122.362	37.718	2746.669	2089106.916	6023247.349	0	RS-700	1.61486486804
15801	-122.362	37.718	2621.947	2089108.070	6023246.099	0	RS-700	1.24911258065
15802	-122.362	37.718	2054.942	2089109.222	6023244.936	0	RS-700	-0.41366023460
15803	-122.362	37.718	1608.496	2089110.526	6023243.486	0	RS-700	-1.72288662757
15804	-122.362	37.718	1856.758	2089112.049	6023241.983	0	RS-700	-0.99484337243
15805	-122.362	37.718	2594.581	2089113.433	6023240.130	0	RS-700	1.16885862170
15806	-122.362	37.718	2531.917	2089115.484	6023237.741	0	RS-700	0.98509316716
15807	-122.362	37.718	2299.983	2089118.006	6023235.477	0	RS-700	0.30493580645
15808	-122.362	37.718	2237.689	2089120.050	6023233.377	0	RS-700	0.56408421384
15809	-122.362	37.718	2279.245	2089121.764	6023231.472	0	RS-700	0.82544000000
15810	-122.362	37.718	2185.002	2089123.296	6023229.507	0	RS-700	0.23271427673
15811	-122.362	37.718	2265.563	2089124.568	6023227.796	0	RS-700	0.73938798742
15812	-122.362	37.718	2144.303	2089125.501	6023226.657	0	RS-700	-0.02325044025
15813	-122.362	37.718	2240.917	2089126.318	6023225.893	0	RS-700	0.58438522013
15814	-122.362	37.718	2198.025	2089127.283	6023224.986	0	RS-700	0.31462327044
15815	-122.362	37.718	2314.804	2089128.506	6023223.911	0	RS-700	1.04908037736
15816	-122.362	37.718	2248.131	2089128.915	6023223.485	0	RS-700	0.62975433962
15817	-122.362	37.718	2229.914	2089129.064	6023223.286	0	RS-700	0.51518132076
15818	-122.362	37.718	2233.811	2089129.595	6023222.226	0	RS-700	0.53969440252
15819	-122.362	37.718	2300.054	2089129.839	6023220.958	0	RS-700	0.95631421384
15820	-122.362	37.718	2293.812	2089129.646	6023219.710	0	RS-700	0.91705597484
15821	-122.362	37.718	2167.100	2089129.412	6023218.635	0	RS-700	0.12012628931
15822	-122.362	37.718	2253.368	2089129.214	6023217.618	0	RS-700	0.66269157233
15823	-122.362	37.718	2299.170	2089129.211	6023215.911	0	RS-700	0.95075477987
15824	-122.362	37.718	2283.475	2089129.651	6023213.924	0	RS-700	0.85204364780
15825	-122.362	37.718	2218.128	2089130.744	6023212.065	0	RS-700	0.44105540881
15826	-122.362	37.718	2287.391	2089132.307	6023210.389	0	RS-700	0.87667364780
15827	-122.362	37.718	2216.802	2089134.009	6023209.093	0	RS-700	0.43271490566
15828	-122.362	37.718	2251.256	2089135.924	6023208.002	0	RS-700	0.64940792453
15829	-122.362	37.718	2177.456	2089138.058	6023206.917	0	RS-700	0.18526075472
15830	-122.362	37.718	2239.359	2089140.373	6023205.863	0	RS-700	0.57458308176
15831	-122.362	37.718	2303.962	2089142.472	6023204.690	0	RS-700	0.98089081761
15832	-122.362	37.718	2242.025	2089144.141	6023203.190	0	RS-700	0.59135352201
15833	-122.362	37.718	2282.618	2089145.743	6023201.399	0	RS-700	0.84665635220
15834	-122.362	37.718	2286.504	2089147.204	6023199.345	0	RS-700	0.87109314465
15835	-122.362	37.718	2403.859	2089148.628	6023197.348	0	RS-700	1.60917622642
15836	-122.362	37.718	2303.950	2089150.048	6023195.496	0	RS-700	0.98082037736
15837	-122.362	37.718	2331.193	2089151.431	6023193.759	0	RS-700	1.15215433962
15838	-122.362	37.718	2324.838	2089152.884	6023192.081	0	RS-700	1.11218572327
15839	-122.362	37.718	2291.714	2089154.001	6023190.859	0	RS-700	0.90386427673

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15840	-122.362	37.718	2253.035	2089154.894	6023189.922	0	RS-700	0.66059666667
15841	-122.362	37.718	2270.822	2089156.166	6023188.241	0	RS-700	0.77246496855
15842	-122.362	37.718	2400.343	2089157.514	6023186.358	0	RS-700	1.58706540881
15843	-122.362	37.718	2417.094	2089158.790	6023184.445	0	RS-700	1.69241339623
15844	-122.362	37.718	2331.737	2089160.144	6023182.302	0	RS-700	1.15557786164
15845	-122.362	37.718	2437.383	2089161.464	6023180.014	0	RS-700	1.82001805031
15846	-122.362	37.718	2339.302	2089162.559	6023178.069	0	RS-700	1.20315597484
15847	-122.362	37.718	2363.534	2089163.510	6023176.063	0	RS-700	1.35556157233
15848	-122.362	37.718	2413.338	2089164.643	6023174.002	0	RS-700	1.66879176101
15849	-122.362	37.718	2371.865	2089165.521	6023171.995	0	RS-700	1.40795685535
15850	-122.362	37.718	2335.730	2089166.175	6023170.214	0	RS-700	1.18069094340
15851	-122.362	37.718	2368.204	2089166.938	6023168.493	0	RS-700	1.38493182390
15852	-122.362	37.718	2297.718	2089167.919	6023166.748	0	RS-700	0.94162377359
15853	-122.362	37.718	2261.257	2089169.523	6023164.842	0	RS-700	0.71230735849
15854	-122.362	37.718	2323.949	2089171.450	6023163.173	0	RS-700	1.10659867925
15855	-122.362	37.718	2343.258	2089173.736	6023161.772	0	RS-700	1.22803817610
15856	-122.362	37.718	2333.600	2089175.914	6023160.311	0	RS-700	1.16729786164
15857	-122.362	37.718	2285.390	2089177.953	6023158.529	0	RS-700	0.86408867925
15858	-122.362	37.718	2165.317	2089179.448	6023156.563	0	RS-700	0.10891251572
15859	-122.362	37.718	2213.017	2089180.220	6023154.408	0	RS-700	0.40891232704
15860	-122.362	37.718	2286.817	2089180.554	6023152.245	0	RS-700	0.87306415094
15861	-122.362	37.718	2389.216	2089181.106	6023150.115	0	RS-700	1.51708213836
15862	-122.362	37.718	2345.993	2089182.131	6023148.053	0	RS-700	1.24523987421
15863	-122.362	37.718	2209.131	2089183.667	6023145.885	0	RS-700	0.38447427673
15864	-122.362	37.718	2372.610	2089185.492	6023143.838	0	RS-700	1.41263968553
15865	-122.362	37.718	2401.578	2089187.166	6023142.107	0	RS-700	1.59483012579
15866	-122.362	37.718	2396.865	2089188.391	6023140.916	0	RS-700	1.56519069182
15867	-122.362	37.718	2498.144	2089189.691	6023139.669	0	RS-700	2.20216522013
15868	-122.362	37.718	2435.237	2089190.995	6023138.161	0	RS-700	1.80652138365
15869	-122.362	37.718	2612.850	2089192.367	6023136.916	0	RS-700	2.92358440252
15870	-122.362	37.718	2392.984	2089193.817	6023135.469	0	RS-700	1.54078144654
15871	-122.362	37.718	2427.004	2089195.481	6023134.200	0	RS-700	1.75474201258
15872	-122.362	37.718	2399.101	2089196.891	6023132.898	0	RS-700	1.57925320755
15873	-122.362	37.718	2400.863	2089198.342	6023131.335	0	RS-700	1.59033515723
15874	-122.362	37.718	2287.804	2089199.835	6023129.514	0	RS-700	0.87927314465
15875	-122.362	37.718	2376.614	2089201.185	6023127.544	0	RS-700	1.43782477987
15876	-122.362	37.718	2441.006	2089202.206	6023125.684	0	RS-700	1.84280761006
15877	-122.362	37.718	2305.837	2089202.708	6023124.219	0	RS-700	0.99268660377
15878	-122.362	37.718	2422.598	2089202.772	6023122.831	0	RS-700	1.72703383648
15879	-122.362	37.718	2341.068	2089203.098	6023121.102	0	RS-700	1.21426534591
15880	-122.362	37.718	2398.218	2089203.717	6023119.263	0	RS-700	1.57369754717
15881	-122.362	37.718	2268.932	2089204.885	6023117.319	0	RS-700	0.76058069182
15882	-122.362	37.718	2239.122	2089206.305	6023115.496	0	RS-700	0.57309584906
15883	-122.362	37.718	2371.850	2089207.937	6023113.995	0	RS-700	1.40785899371
15884	-122.362	37.718	2363.315	2089209.640	6023112.640	0	RS-700	1.35418371069



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15885	-122.362	37.718	2412.110	2089211.374	6023111.488	0	RS-700	1.66106710692
15886	-122.362	37.718	2384.979	2089212.962	6023110.421	0	RS-700	1.49043584906
15887	-122.362	37.718	2448.263	2089214.514	6023109.265	0	RS-700	1.88844628931
15888	-122.362	37.718	2439.245	2089216.000	6023107.820	0	RS-700	1.83173100629
15889	-122.362	37.718	2440.648	2089217.272	6023106.109	0	RS-700	1.84055641509
15890	-122.362	37.718	2408.703	2089218.401	6023104.280	0	RS-700	1.63964352201
15891	-122.362	37.718	2467.010	2089219.388	6023102.246	0	RS-700	2.00635031447
15892	-122.362	37.718	2548.911	2089220.451	6023100.097	0	RS-700	2.52145194969
15893	-122.362	37.718	2515.900	2089221.586	6023097.979	0	RS-700	2.31383477987
15894	-122.362	37.718	2478.258	2089222.752	6023096.093	0	RS-700	2.07709647799
15895	-122.362	37.718	2385.975	2089223.728	6023094.637	0	RS-700	1.49670069182
15896	-122.362	37.718	2320.266	2089224.369	6023093.521	0	RS-700	1.08343295597
15897	-122.362	37.718	2449.244	2089224.670	6023093.064	0	RS-700	1.89461754717
15898	-122.362	37.718	2424.110	2089224.708	6023092.978	0	RS-700	1.73653905660
15899	-122.362	37.718	2392.095	2089224.671	6023093.006	0	RS-700	1.53518742138
15900	-122.362	37.718	2466.376	2089224.707	6023093.007	0	RS-700	2.00236773585
15901	-122.362	37.718	2400.851	2089224.707	6023093.007	0	RS-700	1.59025735849
15902	-122.362	37.718	2477.875	2089224.671	6023093.006	0	RS-700	2.07468591195
15903	-122.362	37.718	2479.780	2089224.671	6023093.006	0	RS-700	2.08666767296
15904	-122.362	37.718	2425.107	2089224.671	6023093.006	0	RS-700	1.74281308176
15905	-122.362	37.718	2441.003	2089224.670	6023093.035	0	RS-700	1.84278440252
15906	-122.362	37.718	2514.650	2089224.670	6023093.035	0	RS-700	2.30597352201
15907	-122.362	37.718	2429.117	2089224.670	6023093.035	0	RS-700	1.76803283019
15908	-122.362	37.718	2470.522	2089224.670	6023093.035	0	RS-700	2.02844276730
15909	-122.362	37.718	2452.380	2089224.670	6023093.035	0	RS-700	1.91434257862
15910	-122.362	37.718	2482.520	2089224.634	6023093.034	0	RS-700	2.10390226415
15911	-122.362	37.718	2435.873	2089224.670	6023093.035	0	RS-700	1.81052062893
15912	-122.362	37.718	2470.031	2089224.670	6023093.035	0	RS-700	2.02534968553
15913	-122.362	37.718	2360.321	2089224.670	6023093.064	0	RS-700	1.33534993711
15914	-122.362	37.718	2448.122	2089224.670	6023093.064	0	RS-700	1.88755748428
15915	-122.362	37.718	2459.251	2089224.670	6023093.064	0	RS-700	1.95755471698
15916	-122.362	37.718	2428.764	2089224.633	6023093.063	0	RS-700	1.76581289308
15917	-122.362	37.718	2460.005	2089224.670	6023093.064	0	RS-700	1.96229503145
15918	-122.362	37.718	2443.887	2089224.670	6023093.064	0	RS-700	1.86092220126
15919	-122.362	37.718	2487.263	2089224.706	6023093.065	0	RS-700	2.13373125786
15920	-122.362	37.718	2490.023	2089224.670	6023093.064	0	RS-700	2.15108704403
15921	-122.362	37.718	2465.008	2089224.670	6023093.064	0	RS-700	1.99376339623
15922	-122.362	37.718	2410.578	2089224.706	6023093.065	0	RS-700	1.65143515723
15923	-122.362	37.718	2413.108	2089224.670	6023093.064	0	RS-700	1.66734742138
15924	-122.362	37.718	2373.183	2089224.669	6023093.093	0	RS-700	1.41624723270
15925	-122.362	37.718	2431.995	2089224.670	6023093.064	0	RS-700	1.78613119497
15926	-122.362	37.718	2379.613	2089224.669	6023093.093	0	RS-700	1.45668295597
15927	-122.362	37.718	2391.212	2089224.706	6023093.065	0	RS-700	1.52963597484
15928	-122.362	37.718	2415.745	2089224.706	6023093.065	0	RS-700	1.68392924528
15929	-122.362	37.718	2392.106	2089224.706	6023093.094	0	RS-700	1.53526069182

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15930	-122.362	37.718	2438.631	2089224.706	6023093.094	0	RS-700	1.82786641509
15931	-122.362	37.718	2374.611	2089224.706	6023093.094	0	RS-700	1.42522886792
15932	-122.362	37.718	2405.101	2089224.705	6023093.123	0	RS-700	1.61698918239
15933	-122.362	37.718	2468.761	2089224.704	6023093.152	0	RS-700	2.01736773585
15934	-122.362	37.718	2503.368	2089224.704	6023093.152	0	RS-700	2.23501572327
15935	-122.362	37.718	2504.790	2089224.704	6023093.152	0	RS-700	2.24396006289
15936	-122.362	37.718	2362.825	2089224.741	6023093.152	0	RS-700	1.35110037736
15937	-122.362	37.718	2508.129	2089224.740	6023093.181	0	RS-700	2.26496125786
15938	-122.362	37.718	2366.560	2089224.740	6023093.181	0	RS-700	1.37458955975
15939	-122.362	37.718	2440.119	2089224.740	6023093.181	0	RS-700	1.83722930818
15940	-122.362	37.718	2363.440	2089224.740	6023093.210	0	RS-700	1.35496974843
15941	-122.362	37.718	2459.004	2089224.740	6023093.210	0	RS-700	1.95599987421
15942	-122.362	37.718	2455.250	2089224.739	6023093.239	0	RS-700	1.93239044025
15943	-122.362	37.718	2423.624	2089224.814	6023093.154	0	RS-700	1.73348691824
15944	-122.362	37.718	2483.012	2089225.417	6023092.095	0	RS-700	2.10699125786
15945	-122.362	37.718	2399.223	2089226.467	6023090.612	0	RS-700	1.58001716981
15946	-122.362	37.718	2407.985	2089227.923	6023088.818	0	RS-700	1.63512591195
15947	-122.362	37.718	2317.065	2089229.564	6023086.884	0	RS-700	1.06330383648
15948	-122.362	37.718	2453.002	2089231.347	6023085.097	0	RS-700	1.91824874214
15949	-122.362	37.718	2399.226	2089233.167	6023083.339	0	RS-700	1.58003578616
15950	-122.362	37.718	2466.500	2089234.844	6023081.434	0	RS-700	2.00314194969
15951	-122.362	37.718	2461.150	2089236.304	6023079.438	0	RS-700	1.96949446541
15952	-122.362	37.718	2412.220	2089237.691	6023077.441	0	RS-700	1.66175949686
15953	-122.362	37.718	2380.822	2089238.713	6023075.494	0	RS-700	1.46428704403
15954	-122.362	37.718	2261.484	2089239.511	6023073.803	0	RS-700	0.71373484277
15955	-122.362	37.718	2240.014	2089240.417	6023072.230	0	RS-700	0.57870270440
15956	-122.362	37.718	2281.130	2089241.873	6023070.436	0	RS-700	0.83729616352
15957	-122.362	37.718	2222.349	2089243.658	6023068.591	0	RS-700	0.46760490566
15958	-122.362	37.718	2237.808	2089245.660	6023066.779	0	RS-700	0.56482924528
15959	-122.362	37.718	2146.872	2089247.735	6023064.998	0	RS-700	-0.00709716981
15960	-122.362	37.718	2216.107	2089249.660	6023063.445	0	RS-700	0.42834874214
15961	-122.362	37.718	2133.763	2089251.141	6023062.231	0	RS-700	-0.08954377358
15962	-122.362	37.718	2227.889	2089252.811	6023060.644	0	RS-700	0.50244798742
15963	-122.362	37.718	2092.538	2089254.449	6023058.883	0	RS-700	-0.34881949686
15964	-122.362	37.718	2168.344	2089256.015	6023057.034	0	RS-700	0.12794773585
15965	-122.362	37.718	2122.764	2089257.582	6023055.184	0	RS-700	-0.15871987421
15966	-122.362	37.718	2245.369	2089259.116	6023053.103	0	RS-700	0.61238132076
15967	-122.362	37.718	2268.142	2089260.651	6023051.022	0	RS-700	0.75561188679
15968	-122.362	37.718	2202.013	2089262.037	6023049.082	0	RS-700	0.33970358491
15969	-122.362	37.718	2246.030	2089263.241	6023047.139	0	RS-700	0.61653937107
15970	-122.362	37.718	2296.160	2089264.482	6023045.167	0	RS-700	0.93182157233
15971	-122.362	37.718	2191.653	2089265.832	6023043.198	0	RS-700	0.27454974843
15972	-122.362	37.718	2226.030	2089267.365	6023041.203	0	RS-700	0.49075773585
15973	-122.362	37.718	2307.290	2089268.901	6023039.035	0	RS-700	1.00182672956
15974	-122.362	37.718	2302.056	2089270.115	6023036.600	0	RS-700	0.96890823899

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
15975	-122.362	37.718	2305.288	2089271.328	6023034.223	0	RS-700	0.98923163522
15976	-122.362	37.718	2405.987	2089272.503	6023031.903	0	RS-700	1.62255723270
15977	-122.362	37.718	2338.838	2089273.712	6023029.729	0	RS-700	1.20024006289
15978	-122.362	37.718	2244.797	2089274.843	6023027.813	0	RS-700	0.60878408805
15979	-122.362	37.718	2355.196	2089276.007	6023026.013	0	RS-700	1.30312150943
15980	-122.362	37.718	2278.147	2089277.391	6023024.189	0	RS-700	0.81853308176
15981	-122.362	37.718	2237.250	2089279.069	6023022.227	0	RS-700	0.56131779874
15982	-122.362	37.718	2333.300	2089280.930	6023020.210	0	RS-700	1.16540805031
15983	-122.362	37.718	2265.207	2089282.898	6023018.339	0	RS-700	0.73715006289
15984	-122.362	37.718	2326.598	2089284.787	6023016.728	0	RS-700	1.12325716981
15985	-122.362	37.718	2334.879	2089286.601	6023015.260	0	RS-700	1.17534220126
15986	-122.362	37.718	2336.540	2089288.269	6023013.789	0	RS-700	1.18578905660
15987	-122.362	37.718	2345.234	2089289.983	6023011.855	0	RS-700	1.24046245283
15988	-122.362	37.718	2309.822	2089291.554	6023009.775	0	RS-700	1.01774622642
15989	-122.362	37.718	2406.853	2089293.011	6023007.894	0	RS-700	1.62800905660
15990	-122.362	37.718	2432.250	2089294.210	6023006.240	0	RS-700	1.78773345912
15991	-122.362	37.718	2418.599	2089295.590	6023004.590	0	RS-700	1.70188283019
15992	-122.362	37.718	2356.329	2089297.079	6023002.971	0	RS-700	1.31024566038
15993	-122.362	37.718	2424.088	2089298.681	6023001.151	0	RS-700	1.73640496855
15994	-122.362	37.718	2322.958	2089300.103	6022999.241	0	RS-700	1.10036691824
15995	-122.362	37.718	2409.624	2089301.601	6022997.188	0	RS-700	1.64543163522
15996	-122.362	37.718	2441.126	2089303.099	6022995.106	0	RS-700	1.84356276730
15997	-122.362	37.718	2286.484	2089304.629	6022993.256	0	RS-700	0.87096647799
15998	-122.362	37.718	2360.611	2089306.122	6022991.434	0	RS-700	1.33717616352
15999	-122.362	37.718	2305.166	2089307.503	6022989.754	0	RS-700	0.98846823899
16000	-122.362	37.718	2386.988	2089308.810	6022988.160	0	RS-700	1.50306955975
16001	-122.363	37.718	2364.740	2089310.003	6022986.767	0	RS-700	1.36314597484
16002	-122.363	37.718	2347.315	2089311.194	6022985.460	0	RS-700	1.25355371069
16003	-122.363	37.718	2304.596	2089312.017	6022984.348	0	RS-700	0.98488050315
16004	-122.363	37.718	2340.546	2089312.877	6022983.265	0	RS-700	1.21098226415
16005	-122.363	37.718	2262.816	2089313.591	6022982.151	0	RS-700	0.72211408805
16006	-122.363	37.718	2352.542	2089314.021	6022980.684	0	RS-700	1.28642616352
16007	-122.363	37.718	2368.613	2089313.912	6022978.831	0	RS-700	1.38750081761
16008	-122.363	37.718	2347.858	2089313.073	6022977.049	0	RS-700	1.25696654088
16009	-122.363	37.718	2320.712	2089312.293	6022975.992	0	RS-700	1.08624044025
16010	-122.363	37.718	2314.951	2089311.796	6022975.346	0	RS-700	1.05000735849
16011	-122.363	37.718	2270.707	2089311.120	6022974.523	0	RS-700	0.77174465409
16012	-122.363	37.718	2391.617	2089309.543	6022973.276	0	RS-700	1.53218088050
16013	-122.363	37.718	2365.969	2089307.306	6022972.190	0	RS-700	1.37087364780
16014	-122.363	37.718	2416.351	2089305.067	6022971.278	0	RS-700	1.68773993711
16015	-122.363	37.718	2397.972	2089303.012	6022970.224	0	RS-700	1.57214893082
16016	-122.363	37.718	2342.417	2089301.145	6022968.885	0	RS-700	1.22275132075
16017	-122.363	37.718	2369.853	2089299.574	6022967.263	0	RS-700	1.39530496855
16018	-122.363	37.718	2417.991	2089297.897	6022965.551	0	RS-700	1.69805735849
16019	-122.363	37.718	2439.370	2089296.152	6022963.578	0	RS-700	1.83251698113

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16020	-122.363	37.718	2326.059	2089294.439	6022961.780	0	RS-700	1.11986566038
16021	-122.363	37.718	2351.193	2089292.649	6022960.240	0	RS-700	1.27794641509
16022	-122.363	37.718	2366.201	2089290.855	6022958.873	0	RS-700	1.37233100629
16023	-122.363	37.718	2331.849	2089288.803	6022957.704	0	RS-700	1.15628188679
16024	-122.363	37.718	2371.495	2089286.570	6022956.444	0	RS-700	1.40562779874
16025	-122.363	37.718	2324.835	2089284.332	6022955.416	0	RS-700	1.11217119497
16026	-122.363	37.718	2404.862	2089282.015	6022954.734	0	RS-700	1.61548358491
16027	-122.363	37.718	2339.838	2089279.687	6022954.572	0	RS-700	1.20652698113
16028	-122.363	37.718	2284.811	2089277.389	6022954.757	0	RS-700	0.86044666667
16029	-122.363	37.718	2383.827	2089275.451	6022955.182	0	RS-700	1.48318855346
16030	-122.363	37.718	2323.070	2089273.946	6022955.759	0	RS-700	1.10107037736
16031	-122.363	37.718	2382.089	2089272.655	6022956.572	0	RS-700	1.47225698113
16032	-122.363	37.718	2376.684	2089271.545	6022957.447	0	RS-700	1.43826289308
16033	-122.363	37.718	2416.222	2089270.178	6022958.433	0	RS-700	1.68693389937
16034	-122.363	37.718	2397.628	2089269.030	6022959.364	0	RS-700	1.56998559748
16035	-122.363	37.718	2447.628	2089268.105	6022960.127	0	RS-700	1.88445226415
16036	-122.363	37.718	2416.597	2089267.658	6022960.610	0	RS-700	1.68929182390
16037	-122.363	37.718	2318.414	2089267.733	6022960.525	0	RS-700	1.07178698113
16038	-122.363	37.718	2428.366	2089267.806	6022960.497	0	RS-700	1.76330584906
16039	-122.363	37.718	2397.735	2089267.843	6022960.469	0	RS-700	1.57066094340
16040	-122.363	37.718	2490.638	2089267.843	6022960.469	0	RS-700	2.15495666667
16041	-122.363	37.718	2437.880	2089267.805	6022960.526	0	RS-700	1.82314352201
16042	-122.363	37.718	2405.592	2089267.770	6022960.496	0	RS-700	1.62007295597
16043	-122.363	37.718	2400.344	2089267.769	6022960.525	0	RS-700	1.58706610063
16044	-122.363	37.718	2427.887	2089267.769	6022960.525	0	RS-700	1.76029635220
16045	-122.363	37.718	2367.087	2089267.361	6022960.893	0	RS-700	1.37790874214
16046	-122.363	37.718	2339.068	2089267.102	6022961.120	0	RS-700	1.20168308176
16047	-122.363	37.718	2377.207	2089267.139	6022961.063	0	RS-700	1.44155471698
16048	-122.363	37.718	2314.174	2089267.103	6022961.062	0	RS-700	1.04512056604
16049	-122.363	37.718	2435.490	2089267.139	6022961.063	0	RS-700	1.80811553459
16050	-122.363	37.718	2481.644	2089267.139	6022961.063	0	RS-700	2.09838962264
16051	-122.363	37.718	2418.626	2089267.139	6022961.063	0	RS-700	1.70204943396
16052	-122.363	37.718	2423.471	2089267.103	6022961.062	0	RS-700	1.73252257862
16053	-122.363	37.718	2306.517	2089267.139	6022961.063	0	RS-700	0.99695930818
16054	-122.363	37.718	2497.544	2089267.175	6022961.092	0	RS-700	2.19838899371
16055	-122.363	37.718	2364.089	2089267.212	6022961.064	0	RS-700	1.35905169811
16056	-122.363	37.718	2327.194	2089267.212	6022961.093	0	RS-700	1.12700314465
16057	-122.363	37.718	2371.852	2089267.175	6022961.092	0	RS-700	1.40787427673
16058	-122.363	37.718	2318.058	2089266.840	6022961.462	0	RS-700	1.06954987421
16059	-122.363	37.718	2373.212	2089266.173	6022962.027	0	RS-700	1.41642754717
16060	-122.363	37.718	2449.111	2089265.282	6022962.906	0	RS-700	1.89377742138
16061	-122.363	37.718	2398.973	2089264.162	6022964.272	0	RS-700	1.57844566038
16062	-122.363	37.718	2442.752	2089263.005	6022965.667	0	RS-700	1.85378723270
16063	-122.363	37.718	2458.383	2089262.108	6022966.806	0	RS-700	1.95209333333
16064	-122.363	37.718	2369.742	2089261.658	6022967.463	0	RS-700	1.39460163522

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16065	-122.363	37.718	2567.305	2089261.211	6022967.975	0	RS-700	2.63714106918
16066	-122.363	37.718	2403.465	2089260.096	6022969.110	0	RS-700	1.60669503145
16067	-122.363	37.718	2290.819	2089258.609	6022970.613	0	RS-700	0.89823471698
16068	-122.363	37.718	2465.999	2089257.123	6022972.088	0	RS-700	1.99999490566
16069	-122.363	37.718	2374.972	2089255.779	6022973.768	0	RS-700	1.42749433962
16070	-122.363	37.718	2394.860	2089254.468	6022975.565	0	RS-700	1.55257779874
16071	-122.363	37.718	2392.957	2089253.340	6022977.336	0	RS-700	1.54060981132
16072	-122.363	37.718	2443.486	2089252.216	6022978.934	0	RS-700	1.85840377358
16073	-122.363	37.718	2319.840	2089251.094	6022980.416	0	RS-700	1.08075635220
16074	-122.363	37.718	2349.189	2089249.863	6022981.895	0	RS-700	1.26533880503
16075	-122.363	37.718	2409.217	2089248.628	6022983.549	0	RS-700	1.64287427673
16076	-122.363	37.718	2412.868	2089247.576	6022985.148	0	RS-700	1.66583786164
16077	-122.362	37.718	2290.707	2089246.636	6022986.663	0	RS-700	0.89752754717
16078	-122.362	37.718	2331.971	2089245.841	6022988.151	0	RS-700	1.15705113208
16079	-122.362	37.718	2288.820	2089245.338	6022989.645	0	RS-700	0.88565830189
16080	-122.362	37.718	2328.721	2089245.170	6022990.770	0	RS-700	1.13661100629
16081	-122.362	37.718	2282.055	2089245.129	6022991.001	0	RS-700	0.84311522013
16082	-122.362	37.718	2285.471	2089245.169	6022990.799	0	RS-700	0.86460025157
16083	-122.362	37.718	2294.825	2089245.170	6022990.770	0	RS-700	0.92342817610
16084	-122.362	37.718	2387.495	2089245.134	6022990.741	0	RS-700	1.50625767296
16085	-122.362	37.718	2250.578	2089245.135	6022990.683	0	RS-700	0.64514459120
16086	-122.362	37.718	2302.595	2089245.136	6022990.625	0	RS-700	0.97229257862
16087	-122.362	37.718	2274.915	2089245.012	6022991.375	0	RS-700	0.79820974843
16088	-122.362	37.718	2377.847	2089244.942	6022993.080	0	RS-700	1.44557974843
16089	-122.362	37.718	2282.822	2089244.431	6022994.979	0	RS-700	0.84793817610
16090	-122.362	37.718	2226.913	2089243.220	6022997.270	0	RS-700	0.49630779874
16091	-122.362	37.718	2217.690	2089241.323	6022999.228	0	RS-700	0.43829893082
16092	-122.362	37.718	2302.481	2089239.106	6023000.862	0	RS-700	0.97157981132
16093	-122.362	37.718	2268.927	2089236.852	6023002.466	0	RS-700	0.76054641509
16094	-122.362	37.718	2185.999	2089234.705	6023004.217	0	RS-700	0.23898962264
16095	-122.362	37.718	2333.194	2089232.777	6023005.943	0	RS-700	1.16474377358
16096	-122.362	37.718	2291.930	2089230.994	6023007.673	0	RS-700	0.90522012579
16097	-122.362	37.718	2296.253	2089229.617	6023009.179	0	RS-700	0.93240584906
16098	-122.362	37.718	2251.468	2089228.760	6023010.145	0	RS-700	0.65074207547
16099	-122.362	37.718	2315.824	2089228.388	6023010.543	0	RS-700	1.05549861635
16100	-122.362	37.718	2214.342	2089228.425	6023010.515	0	RS-700	0.41724522013
16101	-122.362	37.718	2296.594	2089228.425	6023010.515	0	RS-700	0.93455257862
16102	-122.362	37.718	2322.178	2089228.389	6023010.485	0	RS-700	1.09545811321
16103	-122.362	37.718	2324.064	2089228.425	6023010.486	0	RS-700	1.10731943396
16104	-122.362	37.718	2295.416	2089228.426	6023010.457	0	RS-700	0.92714515723
16105	-122.362	37.718	2294.364	2089228.426	6023010.457	0	RS-700	0.92052603774
16106	-122.362	37.718	2230.220	2089228.390	6023010.427	0	RS-700	0.51710993711
16107	-122.362	37.718	2286.165	2089228.426	6023010.457	0	RS-700	0.86896012579
16108	-122.362	37.718	2338.493	2089228.390	6023010.456	0	RS-700	1.19807094340
16109	-122.362	37.718	2197.229	2089228.389	6023010.485	0	RS-700	0.30961490566

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16110	-122.362	37.718	2257.468	2089228.389	6023010.485	0	RS-700	0.68847515723
16111	-122.362	37.718	2285.831	2089228.390	6023010.456	0	RS-700	0.86686106918
16112	-122.362	37.718	2274.931	2089228.390	6023010.456	0	RS-700	0.79830572327
16113	-122.362	37.718	2300.170	2089228.390	6023010.427	0	RS-700	0.95704276730
16114	-122.362	37.718	2252.696	2089228.390	6023010.427	0	RS-700	0.65846490566
16115	-122.362	37.718	2273.929	2089228.391	6023010.398	0	RS-700	0.79200616352
16116	-122.362	37.718	2265.257	2089228.391	6023010.398	0	RS-700	0.73746591195
16117	-122.362	37.718	2213.893	2089228.391	6023010.369	0	RS-700	0.41442100629
16118	-122.362	37.718	2284.271	2089228.354	6023010.397	0	RS-700	0.85704981132
16119	-122.362	37.718	2279.053	2089228.355	6023010.368	0	RS-700	0.82423113208
16120	-122.362	37.718	2251.924	2089228.354	6023010.397	0	RS-700	0.65361094340
16121	-122.362	37.718	2266.815	2089228.354	6023010.397	0	RS-700	0.74726503145
16122	-122.362	37.718	2305.290	2089228.318	6023010.397	0	RS-700	0.98924723270
16123	-122.362	37.718	2387.094	2089228.354	6023010.397	0	RS-700	1.50373849057
16124	-122.362	37.718	2272.266	2089228.355	6023010.368	0	RS-700	0.78154773585
16125	-122.362	37.718	2237.482	2089228.356	6023010.340	0	RS-700	0.56277729560
16126	-122.362	37.718	2324.651	2089228.320	6023010.310	0	RS-700	1.11101113208
16127	-122.362	37.718	2247.467	2089228.320	6023010.310	0	RS-700	0.62557974843
16128	-122.362	37.718	2295.590	2089228.320	6023010.281	0	RS-700	0.92824025157
16129	-122.362	37.718	2366.428	2089228.284	6023010.280	0	RS-700	1.37376226415
16130	-122.362	37.718	2372.963	2089228.284	6023010.280	0	RS-700	1.41486025157
16131	-122.362	37.718	2220.463	2089228.284	6023010.251	0	RS-700	0.45574427673
16132	-122.362	37.718	2334.953	2089228.284	6023010.251	0	RS-700	1.17580805031
16133	-122.362	37.718	2288.804	2089228.284	6023010.251	0	RS-700	0.88556050315
16134	-122.362	37.718	2317.299	2089228.284	6023010.251	0	RS-700	1.06477496855
16135	-122.362	37.718	2304.045	2089228.284	6023010.251	0	RS-700	0.98141635220
16136	-122.362	37.718	2296.396	2089228.284	6023010.251	0	RS-700	0.93330867925
16137	-122.362	37.718	2256.037	2089228.284	6023010.251	0	RS-700	0.67947515723
16138	-122.362	37.718	2290.696	2089228.285	6023010.222	0	RS-700	0.89745729560
16139	-122.362	37.718	2329.065	2089228.285	6023010.222	0	RS-700	1.13877496855
16140	-122.362	37.718	2281.710	2089228.285	6023010.222	0	RS-700	0.84094591195
16141	-122.362	37.718	2323.950	2089228.285	6023010.222	0	RS-700	1.10660503145
16142	-122.362	37.718	2238.255	2089228.285	6023010.222	0	RS-700	0.56763981132
16143	-122.362	37.718	2239.696	2089228.285	6023010.222	0	RS-700	0.57670371069
16144	-122.362	37.718	2219.777	2089228.285	6023010.222	0	RS-700	0.45142503145
16145	-122.362	37.718	2287.593	2089228.286	6023010.194	0	RS-700	0.87794641509
16146	-122.362	37.718	2211.232	2089228.321	6023010.223	0	RS-700	0.39768654088
16147	-122.362	37.718	2333.076	2089228.322	6023010.194	0	RS-700	1.16399924528
16148	-122.362	37.718	2232.349	2089228.322	6023010.194	0	RS-700	0.53049616352
16149	-122.362	37.718	2329.417	2089228.358	6023010.195	0	RS-700	1.14098830189
16150	-122.362	37.718	2261.585	2089228.358	6023010.195	0	RS-700	0.71436830189
16151	-122.362	37.718	2308.742	2089228.359	6023010.166	0	RS-700	1.01095899371
16152	-122.362	37.718	2241.137	2089228.395	6023010.167	0	RS-700	0.58576842767
16153	-122.362	37.718	2158.562	2089228.395	6023010.167	0	RS-700	0.06642528302
16154	-122.362	37.718	2237.933	2089228.359	6023010.166	0	RS-700	0.56561333333

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16155	-122.362	37.718	2303.058	2089228.395	6023010.167	0	RS-700	0.97520484277
16156	-122.362	37.718	2339.976	2089228.359	6023010.166	0	RS-700	1.20739352201
16157	-122.362	37.718	2199.908	2089228.395	6023010.167	0	RS-700	0.32646389937
16158	-122.362	37.718	2288.037	2089228.395	6023010.167	0	RS-700	0.88073679245
16159	-122.362	37.718	2278.555	2089228.359	6023010.166	0	RS-700	0.82109842767
16160	-122.362	37.718	2328.837	2089228.395	6023010.167	0	RS-700	1.13734169811
16161	-122.362	37.718	2264.262	2089228.359	6023010.166	0	RS-700	0.73120861635
16162	-122.362	37.718	2254.580	2089228.359	6023010.166	0	RS-700	0.67031433962
16163	-122.362	37.718	2296.821	2089228.360	6023010.137	0	RS-700	0.93598226415
16164	-122.362	37.718	2209.795	2089228.359	6023010.166	0	RS-700	0.38865031447
16165	-122.362	37.718	2224.021	2089228.395	6023010.167	0	RS-700	0.47812238994
16166	-122.362	37.718	2251.143	2089228.360	6023010.137	0	RS-700	0.64869943396
16167	-122.362	37.718	2316.538	2089228.396	6023010.138	0	RS-700	1.05998893082
16168	-122.362	37.718	2272.705	2089228.396	6023010.138	0	RS-700	0.78430874214
16169	-122.362	37.718	2329.484	2089228.396	6023010.138	0	RS-700	1.14140761006
16170	-122.362	37.718	2280.183	2089228.396	6023010.138	0	RS-700	0.83133924528
16171	-122.362	37.718	2324.613	2089228.397	6023010.109	0	RS-700	1.11077364780
16172	-122.362	37.718	2309.708	2089228.396	6023010.138	0	RS-700	1.01702861635
16173	-122.362	37.718	2255.585	2089228.397	6023010.109	0	RS-700	0.67663773585
16174	-122.362	37.718	2314.064	2089228.396	6023010.138	0	RS-700	1.04442559748
16175	-122.362	37.718	2231.053	2089228.396	6023010.138	0	RS-700	0.52234276730
16176	-122.362	37.718	2244.139	2089228.396	6023010.138	0	RS-700	0.60465018868
16177	-122.362	37.718	2317.367	2089228.396	6023010.138	0	RS-700	1.06520389937
16178	-122.362	37.718	2248.136	2089228.396	6023010.138	0	RS-700	0.62978792453
16179	-122.362	37.718	2159.895	2089228.432	6023010.139	0	RS-700	0.07481364780
16180	-122.362	37.718	2335.486	2089228.396	6023010.138	0	RS-700	1.17915761006
16181	-122.362	37.718	2224.035	2089228.397	6023010.109	0	RS-700	0.47820509434
16182	-122.362	37.718	2263.814	2089228.396	6023010.138	0	RS-700	0.72839025157
16183	-122.362	37.718	2284.041	2089228.396	6023010.138	0	RS-700	0.85560138365
16184	-122.362	37.718	2333.296	2089228.396	6023010.138	0	RS-700	1.16538440252
16185	-122.362	37.718	2286.692	2089228.432	6023010.139	0	RS-700	0.87227572327
16186	-122.362	37.718	2203.119	2089228.358	6023010.195	0	RS-700	0.34665729560
16187	-122.362	37.718	2374.501	2089227.685	6023011.107	0	RS-700	1.42453459119
16188	-122.362	37.718	2289.052	2089226.673	6023012.534	0	RS-700	0.88711867925
16189	-122.362	37.718	2230.781	2089225.623	6023014.046	0	RS-700	0.52063522013
16190	-122.362	37.718	2354.847	2089224.386	6023015.815	0	RS-700	1.30092635220
16191	-122.362	37.718	2185.907	2089223.112	6023017.641	0	RS-700	0.23841044025
16192	-122.362	37.718	2210.903	2089221.950	6023019.296	0	RS-700	0.39561553459
16193	-122.362	37.718	2286.509	2089220.825	6023020.923	0	RS-700	0.87112584906
16194	-122.362	37.718	2277.157	2089219.739	6023022.405	0	RS-700	0.81230616352
16195	-122.362	37.718	2425.627	2089218.615	6023024.003	0	RS-700	1.74608396226
16196	-122.362	37.718	2241.597	2089217.342	6023025.714	0	RS-700	0.58865962264
16197	-122.362	37.718	2318.083	2089215.959	6023027.509	0	RS-700	1.06970616352
16198	-122.362	37.718	2315.945	2089214.578	6023029.188	0	RS-700	1.05625679245
16199	-122.362	37.718	2296.175	2089213.382	6023030.755	0	RS-700	0.93191943396

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16200	-122.362	37.718	2343.191	2089212.189	6023032.120	0	RS-700	1.22761352201
16201	-122.362	37.718	2378.093	2089211.516	6023032.975	0	RS-700	1.44712339623
16202	-122.362	37.718	2374.205	2089210.986	6023034.035	0	RS-700	1.42267364780
16203	-122.362	37.718	2342.487	2089210.480	6023035.645	0	RS-700	1.22318930818
16204	-122.362	37.718	2354.971	2089210.120	6023037.287	0	RS-700	1.30170685535
16205	-122.362	37.718	2414.219	2089209.796	6023038.900	0	RS-700	1.67433352201
16206	-122.362	37.718	2281.051	2089209.213	6023040.740	0	RS-700	0.83679830189
16207	-122.362	37.718	2279.933	2089208.230	6023042.543	0	RS-700	0.82976943396
16208	-122.362	37.718	2325.948	2089206.884	6023044.339	0	RS-700	1.11917018868
16209	-122.362	37.718	2291.497	2089205.323	6023045.899	0	RS-700	0.90249415094
16210	-122.362	37.718	2397.101	2089203.549	6023047.224	0	RS-700	1.56667289308
16211	-122.362	37.718	2275.040	2089201.703	6023048.460	0	RS-700	0.79899119497
16212	-122.362	37.718	2472.377	2089200.005	6023049.583	0	RS-700	2.04010503145
16213	-122.362	37.718	2527.044	2089198.525	6023050.769	0	RS-700	2.38392213836
16214	-122.362	37.718	2538.527	2089197.188	6023052.073	0	RS-700	2.45614616352
16215	-122.362	37.718	2516.385	2089195.997	6023053.380	0	RS-700	2.31688408805
16216	-122.362	37.718	2499.021	2089195.166	6023054.839	0	RS-700	2.20767735849
16217	-122.362	37.718	2361.674	2089194.702	6023056.218	0	RS-700	1.34386389937
16218	-122.362	37.718	2409.728	2089194.345	6023057.658	0	RS-700	1.64608597484
16219	-122.362	37.718	2486.782	2089193.732	6023059.208	0	RS-700	2.13070515723
16220	-122.362	37.718	2503.396	2089192.786	6023060.983	0	RS-700	2.23519792453
16221	-122.362	37.718	2525.030	2089191.728	6023062.929	0	RS-700	2.37125490566
16222	-122.362	37.718	2464.886	2089190.562	6023064.786	0	RS-700	1.99299540881
16223	-122.362	37.718	2463.773	2089189.290	6023066.468	0	RS-700	1.98599465409
16224	-122.362	37.718	2485.260	2089187.950	6023067.916	0	RS-700	2.12113169811
16225	-122.362	37.718	2429.992	2089186.282	6023069.359	0	RS-700	1.77353635220
16226	-122.362	37.718	2455.389	2089184.584	6023070.540	0	RS-700	1.93326188679
16227	-122.362	37.718	2490.772	2089182.924	6023071.606	0	RS-700	2.15579723270
16228	-122.362	37.718	2523.026	2089181.364	6023073.108	0	RS-700	2.35865138365
16229	-122.362	37.718	2494.648	2089179.905	6023075.047	0	RS-700	2.18017849057
16230	-122.362	37.718	2469.787	2089178.555	6023076.987	0	RS-700	2.02381509434
16231	-122.362	37.718	2459.237	2089177.389	6023078.873	0	RS-700	1.95746767296
16232	-122.362	37.718	2409.103	2089176.186	6023080.759	0	RS-700	1.64215842767
16233	-122.362	37.718	2469.010	2089175.095	6023082.502	0	RS-700	2.01892874214
16234	-122.362	37.718	2382.855	2089173.968	6023084.244	0	RS-700	1.47707446541
16235	-122.362	37.718	2309.828	2089173.279	6023085.908	0	RS-700	1.01778540881
16236	-122.362	37.718	2383.583	2089172.814	6023087.317	0	RS-700	1.48165182390
16237	-122.362	37.718	2414.257	2089172.050	6023089.124	0	RS-700	1.67457276730
16238	-122.362	37.718	2439.871	2089171.104	6023090.899	0	RS-700	1.83566566038
16239	-122.362	37.718	2380.090	2089169.976	6023092.670	0	RS-700	1.45968503145
16240	-122.362	37.718	2390.598	2089168.487	6023094.289	0	RS-700	1.52577056604
16241	-122.362	37.718	2361.320	2089166.637	6023095.786	0	RS-700	1.34163584906
16242	-122.362	37.718	2409.467	2089164.679	6023097.164	0	RS-700	1.64444867925
16243	-122.362	37.718	2452.383	2089162.830	6023098.545	0	RS-700	1.91435911950
16244	-122.362	37.718	2380.223	2089161.523	6023100.197	0	RS-700	1.46052433962



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16245	-122.362	37.718	2507.784	2089160.392	6023102.142	0	RS-700	2.26279163522
16246	-122.362	37.718	2400.862	2089159.665	6023103.863	0	RS-700	1.59032660377
16247	-122.362	37.718	2411.227	2089159.316	6023104.927	0	RS-700	1.65551515723
16248	-122.362	37.718	2445.120	2089159.275	6023105.157	0	RS-700	1.86867899371
16249	-122.362	37.718	2408.226	2089159.312	6023105.158	0	RS-700	1.63663924528
16250	-122.362	37.718	2480.382	2089159.312	6023105.158	0	RS-700	2.09045440252
16251	-122.362	37.718	2439.508	2089159.312	6023105.158	0	RS-700	1.83338597484
16252	-122.362	37.718	2379.495	2089159.312	6023105.158	0	RS-700	1.45594201258
16253	-122.362	37.718	2555.407	2089159.309	6023105.303	0	RS-700	2.56230572327
16254	-122.362	37.718	2496.145	2089159.274	6023105.244	0	RS-700	2.18959125786
16255	-122.362	37.718	2501.674	2089159.311	6023105.216	0	RS-700	2.22436503145
16256	-122.362	37.718	2456.509	2089159.311	6023105.187	0	RS-700	1.94030987421
16257	-122.362	37.718	2462.264	2089159.347	6023105.217	0	RS-700	1.97650559748
16258	-122.362	37.718	2433.125	2089159.311	6023105.216	0	RS-700	1.79324125786
16259	-122.362	37.718	2503.897	2089159.347	6023105.246	0	RS-700	2.23834685535
16260	-122.362	37.718	2464.499	2089159.345	6023105.303	0	RS-700	1.99055867925
16261	-122.362	37.718	2436.240	2089159.070	6023106.311	0	RS-700	1.81282704403
16262	-122.362	37.718	2358.851	2089158.597	6023108.124	0	RS-700	1.32610610063
16263	-122.362	37.718	2377.727	2089157.898	6023110.308	0	RS-700	1.44482427673
16264	-122.362	37.718	2375.329	2089157.020	6023112.345	0	RS-700	1.42974471698
16265	-122.362	37.718	2515.406	2089155.999	6023114.263	0	RS-700	2.31072647799
16266	-122.362	37.718	2421.110	2089154.905	6023116.151	0	RS-700	1.71767018868
16267	-122.362	37.718	2373.207	2089154.070	6023117.841	0	RS-700	1.41639553459
16268	-122.362	37.718	2278.590	2089153.420	6023119.419	0	RS-700	0.82132069182
16269	-122.362	37.718	2289.578	2089152.888	6023120.508	0	RS-700	0.89043050315
16270	-122.362	37.718	2332.318	2089152.172	6023121.709	0	RS-700	1.15923314465
16271	-122.362	37.718	2329.185	2089151.200	6023122.962	0	RS-700	1.13952930818
16272	-122.362	37.718	2358.969	2089149.795	6023124.034	0	RS-700	1.32684603774
16273	-122.362	37.718	2251.018	2089147.990	6023125.068	0	RS-700	0.64791031447
16274	-122.362	37.718	2335.305	2089145.675	6023126.093	0	RS-700	1.17801786164
16275	-122.362	37.718	2350.078	2089143.323	6023127.145	0	RS-700	1.27093025157
16276	-122.362	37.718	2356.177	2089141.330	6023128.494	0	RS-700	1.30928893082
16277	-122.362	37.718	2319.314	2089139.736	6023129.909	0	RS-700	1.07744578616
16278	-122.362	37.718	2380.855	2089138.648	6023131.478	0	RS-700	1.46449383648
16279	-122.362	37.718	2304.593	2089137.703	6023133.253	0	RS-700	0.98485855346
16280	-122.362	37.718	2318.179	2089136.939	6023135.003	0	RS-700	1.07030754717
16281	-122.362	37.718	2346.786	2089136.141	6023136.694	0	RS-700	1.25022685535
16282	-122.362	37.718	2339.584	2089135.196	6023138.411	0	RS-700	1.20492773585
16283	-122.362	37.718	2292.357	2089133.887	6023140.150	0	RS-700	0.90790622642
16284	-122.362	37.718	2391.214	2089132.253	6023141.737	0	RS-700	1.52964534591
16285	-122.362	37.718	2554.171	2089130.476	6023143.206	0	RS-700	2.55453509434
16286	-122.362	37.718	2527.161	2089128.702	6023144.502	0	RS-700	2.38466289308
16287	-122.362	37.718	2397.585	2089127.073	6023145.829	0	RS-700	1.56971811321
16288	-122.362	37.718	2352.832	2089125.481	6023147.128	0	RS-700	1.28825327044
16289	-122.362	37.718	2320.059	2089123.997	6023148.487	0	RS-700	1.08213446541

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16290	-122.362	37.718	2311.060	2089122.546	6023150.049	0	RS-700	1.02553716981
16291	-122.362	37.718	2359.841	2089121.275	6023151.673	0	RS-700	1.33233176101
16292	-122.362	37.718	2425.230	2089120.078	6023153.269	0	RS-700	1.74358245283
16293	-122.362	37.718	2353.376	2089118.842	6023154.981	0	RS-700	1.29167201258
16294	-122.362	37.718	2274.384	2089117.718	6023156.578	0	RS-700	0.79486792453
16295	-122.362	37.718	2293.942	2089116.670	6023158.004	0	RS-700	0.91787421384
16296	-122.362	37.718	2360.996	2089115.697	6023159.287	0	RS-700	1.33959647799
16297	-122.362	37.718	2381.977	2089114.686	6023160.684	0	RS-700	1.47155213836
16298	-122.362	37.718	2326.648	2089113.560	6023162.368	0	RS-700	1.12357402516
16299	-122.362	37.718	2305.546	2089112.326	6023164.022	0	RS-700	0.99085220126
16300	-122.362	37.718	2330.831	2089111.094	6023165.502	0	RS-700	1.14987924528
16301	-122.362	37.718	2317.758	2089110.123	6023166.726	0	RS-700	1.06765880503
16302	-122.362	37.718	2291.936	2089109.749	6023167.240	0	RS-700	0.90525842767
16303	-122.362	37.718	2246.918	2089109.897	6023167.098	0	RS-700	0.62212823899
16304	-122.362	37.718	2346.550	2089109.898	6023167.069	0	RS-700	1.24873962264
16305	-122.362	37.718	2203.996	2089109.898	6023167.069	0	RS-700	0.35217503145
16306	-122.362	37.718	2203.569	2089109.934	6023167.070	0	RS-700	0.34948987421
16307	-122.362	37.718	2317.178	2089109.898	6023167.069	0	RS-700	1.06401245283
16308	-122.362	37.718	2346.310	2089109.898	6023167.069	0	RS-700	1.24723119497
16309	-122.362	37.718	2341.849	2089109.898	6023167.069	0	RS-700	1.21917578616
16310	-122.362	37.718	2335.154	2089109.898	6023167.069	0	RS-700	1.17706861635
16311	-122.362	37.718	2290.363	2089109.898	6023167.069	0	RS-700	0.89536496855
16312	-122.362	37.718	2280.386	2089109.898	6023167.069	0	RS-700	0.83261660377
16313	-122.362	37.718	2373.794	2089109.857	6023167.271	0	RS-700	1.42008754717
16314	-122.362	37.718	2324.288	2089109.144	6023168.327	0	RS-700	1.10872754717
16315	-122.362	37.718	2310.289	2089107.944	6023170.068	0	RS-700	1.02068849057
16316	-122.362	37.718	2268.922	2089106.338	6023172.090	0	RS-700	0.76051289308
16317	-122.362	37.718	2314.169	2089104.876	6023174.202	0	RS-700	1.04508836478
16318	-122.362	37.718	2312.481	2089103.637	6023176.057	0	RS-700	1.03447106918
16319	-122.362	37.718	2304.948	2089102.544	6023177.916	0	RS-700	0.98709584906
16320	-122.362	37.718	2258.606	2089101.523	6023179.776	0	RS-700	0.69563716981
16321	-122.362	37.718	2258.691	2089100.572	6023181.840	0	RS-700	0.69617226415
16322	-122.362	37.718	2312.182	2089099.725	6023184.109	0	RS-700	1.03259188679
16323	-122.362	37.718	2289.939	2089098.735	6023186.317	0	RS-700	0.89269522013
16324	-122.362	37.718	2230.904	2089097.417	6023188.489	0	RS-700	0.52140811321
16325	-122.362	37.718	2280.932	2089095.669	6023190.277	0	RS-700	0.83604779874
16326	-122.362	37.718	2324.414	2089093.673	6023191.800	0	RS-700	1.10952176101
16327	-122.362	37.718	2232.137	2089091.793	6023192.920	0	RS-700	0.52916522013
16328	-122.362	37.718	2252.806	2089090.205	6023194.045	0	RS-700	0.65915471698
16329	-122.362	37.718	2358.080	2089089.279	6023194.779	0	RS-700	1.32125786164
16330	-122.362	37.718	2337.955	2089088.984	6023194.976	0	RS-700	1.19468270440
16331	-122.362	37.718	2393.860	2089089.057	6023194.977	0	RS-700	1.54628949686
16332	-122.362	37.718	2379.336	2089089.094	6023194.949	0	RS-700	1.45494213836
16333	-122.362	37.718	2295.409	2089089.131	6023194.921	0	RS-700	0.92709937107
16334	-122.362	37.718	2327.600	2089089.168	6023194.864	0	RS-700	1.12956125786

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16335	-122.362	37.718	2313.640	2089089.168	6023194.864	0	RS-700	1.04176396226
16336	-122.362	37.718	2323.917	2089089.168	6023194.864	0	RS-700	1.10639352201
16337	-122.362	37.718	2320.481	2089089.168	6023194.864	0	RS-700	1.08478515723
16338	-122.362	37.718	2324.530	2089089.204	6023194.893	0	RS-700	1.11025283019
16339	-122.362	37.718	2277.822	2089089.205	6023194.864	0	RS-700	0.81649138365
16340	-122.362	37.718	2406.115	2089089.205	6023194.835	0	RS-700	1.62336773585
16341	-122.362	37.718	2264.578	2089089.168	6023194.864	0	RS-700	0.73319264151
16342	-122.362	37.718	2357.666	2089089.205	6023194.864	0	RS-700	1.31865654088
16343	-122.362	37.718	2298.499	2089089.168	6023194.864	0	RS-700	0.94653540881
16344	-122.362	37.718	2284.707	2089089.168	6023194.864	0	RS-700	0.85979540881
16345	-122.362	37.718	2400.995	2089089.168	6023194.864	0	RS-700	1.59116245283
16346	-122.362	37.718	2284.403	2089089.169	6023194.835	0	RS-700	0.85787861635
16347	-122.362	37.718	2276.163	2089089.169	6023194.835	0	RS-700	0.80605779874
16348	-122.362	37.718	2312.169	2089089.169	6023194.835	0	RS-700	1.03251213836
16349	-122.362	37.718	2332.719	2089089.168	6023194.864	0	RS-700	1.16175264151
16350	-122.362	37.718	2234.686	2089089.168	6023194.864	0	RS-700	0.54519641509
16351	-122.362	37.718	2191.681	2089089.168	6023194.864	0	RS-700	0.27472157233
16352	-122.362	37.718	2399.567	2089089.168	6023194.864	0	RS-700	1.58218056604
16353	-122.362	37.718	2318.067	2089089.132	6023194.863	0	RS-700	1.06960176101
16354	-122.362	37.718	2270.794	2089089.132	6023194.863	0	RS-700	0.77229182390
16355	-122.362	37.718	2292.819	2089089.132	6023194.863	0	RS-700	0.91081220126
16356	-122.362	37.718	2319.715	2089089.132	6023194.892	0	RS-700	1.07996893082
16357	-122.362	37.718	2290.817	2089089.132	6023194.892	0	RS-700	0.89821698113
16358	-122.362	37.718	2350.725	2089089.168	6023194.892	0	RS-700	1.27499874214
16359	-122.362	37.718	2266.490	2089089.132	6023194.892	0	RS-700	0.74522050315
16360	-122.362	37.718	2287.733	2089089.132	6023194.892	0	RS-700	0.87882188679
16361	-122.362	37.718	2365.720	2089089.132	6023194.892	0	RS-700	1.36931050314
16362	-122.362	37.718	2249.038	2089089.095	6023194.891	0	RS-700	0.63545742138
16363	-122.362	37.718	2378.091	2089089.095	6023194.891	0	RS-700	1.44711012579
16364	-122.362	37.718	2268.701	2089089.095	6023194.891	0	RS-700	0.75912666667
16365	-122.362	37.718	2313.062	2089089.095	6023194.891	0	RS-700	1.03812301887
16366	-122.362	37.718	2283.593	2089089.095	6023194.891	0	RS-700	0.85278654088
16367	-122.362	37.718	2317.543	2089089.095	6023194.891	0	RS-700	1.06630691824
16368	-122.362	37.718	2315.646	2089089.059	6023194.861	0	RS-700	1.05437792453
16369	-122.362	37.718	2326.063	2089089.059	6023194.890	0	RS-700	1.11989415094
16370	-122.362	37.718	2312.714	2089089.022	6023194.890	0	RS-700	1.03593477987
16371	-122.362	37.718	2305.060	2089089.059	6023194.890	0	RS-700	0.98780094340
16372	-122.362	37.718	2294.729	2089089.059	6023194.890	0	RS-700	0.92282622642
16373	-122.362	37.718	2411.744	2089089.022	6023194.890	0	RS-700	1.65876918239
16374	-122.362	37.718	2250.925	2089089.022	6023194.890	0	RS-700	0.64732786164
16375	-122.362	37.718	2316.062	2089088.912	6023194.945	0	RS-700	1.05699295597
16376	-122.362	37.718	2326.706	2089088.061	6023195.623	0	RS-700	1.12393685535
16377	-122.362	37.718	2346.314	2089086.757	6023197.072	0	RS-700	1.24725754717
16378	-122.362	37.718	2280.166	2089085.516	6023199.073	0	RS-700	0.83123377359
16379	-122.362	37.718	2314.303	2089084.672	6023201.226	0	RS-700	1.04593289308

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16380	-122.362	37.718	2261.924	2089084.080	6023203.528	0	RS-700	0.71650125786
16381	-122.362	37.718	2297.067	2089083.632	6023205.892	0	RS-700	0.29638498534
16382	-122.362	37.718	2357.493	2089083.041	6023208.136	0	RS-700	0.47358739003
16383	-122.362	37.718	2455.991	2089082.353	6023209.772	0	RS-700	0.76243803519
16384	-122.362	37.718	2582.927	2089081.701	6023211.408	0	RS-700	1.13468217009
16385	-122.362	37.718	2659.603	2089080.913	6023212.578	0	RS-700	1.35953868035
16386	-122.362	37.718	2626.072	2089080.386	6023213.465	0	RS-700	1.26120741935
16387	-122.362	37.718	2391.925	2089079.494	6023214.344	0	RS-700	0.57455973607
16388	-122.362	37.718	1874.295	2089078.088	6023215.473	0	RS-700	-0.94341636364
16389	-122.362	37.718	1681.769	2089076.357	6023216.451	0	RS-700	-1.50800970674
16390	-122.362	37.717	2377.860	2089074.077	6023217.534	0	RS-700	0.53331313783
16391	-122.362	37.717	2742.657	2089071.390	6023218.985	0	RS-700	1.60309967742
16392	-122.362	37.717	2483.411	2089069.096	6023220.762	0	RS-700	0.84284712610
16393	-122.362	37.717	2342.483	2089067.198	6023222.836	0	RS-700	1.22316389937
16394	-122.362	37.717	2409.984	2089065.629	6023224.801	0	RS-700	1.64769937107
16395	-122.362	37.717	2280.245	2089064.643	6023226.777	0	RS-700	0.83172742138
16396	-122.362	37.717	2262.699	2089063.878	6023228.585	0	RS-700	0.72137672956
16397	-122.362	37.717	2208.555	2089063.372	6023230.224	0	RS-700	0.38085163522
16398	-122.362	37.717	2280.714	2089063.139	6023230.971	0	RS-700	0.83467635220
16399	-122.362	37.717	2206.104	2089062.986	6023231.315	0	RS-700	0.36543603774
16400	-122.362	37.717	2183.009	2089062.336	6023232.894	0	RS-700	0.22018132076
16401	-122.362	37.717	2185.566	2089061.245	6023234.637	0	RS-700	0.23626566038
16402	-122.362	37.717	2193.786	2089059.753	6023236.430	0	RS-700	0.28796050315
16403	-122.362	37.717	2278.268	2089057.753	6023238.097	0	RS-700	0.81929566038
16404	-122.362	37.717	2234.353	2089055.720	6023239.590	0	RS-700	0.54310144654
16405	-122.362	37.717	2192.459	2089053.834	6023241.028	0	RS-700	0.27961691824
16406	-122.362	37.717	2289.705	2089052.202	6023242.528	0	RS-700	0.89122559748
16407	-122.362	37.717	2254.146	2089050.530	6023244.202	0	RS-700	0.66758591195
16408	-122.362	37.717	2347.606	2089048.854	6023246.049	0	RS-700	1.25538106918
16409	-122.362	37.717	2289.719	2089047.217	6023247.810	0	RS-700	0.89131603774
16410	-122.362	37.717	2288.945	2089045.832	6023249.663	0	RS-700	0.88644754717
16411	-122.362	37.717	2352.204	2089044.483	6023251.575	0	RS-700	1.28430018868
16412	-122.362	37.717	2375.971	2089043.132	6023253.602	0	RS-700	1.43377918239
16413	-122.362	37.717	2380.377	2089041.999	6023255.604	0	RS-700	1.46148830189
16414	-122.362	37.717	2351.842	2089040.942	6023257.493	0	RS-700	1.28202220126
16415	-122.362	37.717	2304.382	2089039.848	6023259.409	0	RS-700	0.98353559748
16416	-122.362	37.717	2350.607	2089038.540	6023261.061	0	RS-700	1.27425528302
16417	-122.362	37.717	2293.820	2089037.500	6023262.082	0	RS-700	0.91710779874
16418	-122.362	37.717	2249.681	2089036.571	6023263.018	0	RS-700	0.63950018868
16419	-122.362	37.717	2212.015	2089036.014	6023263.557	0	RS-700	0.40261289308
16420	-122.362	37.717	2294.131	2089034.898	6023264.750	0	RS-700	0.91906094340
16421	-122.362	37.717	2271.819	2089033.890	6023265.974	0	RS-700	0.77873522013
16422	-122.362	37.717	2169.199	2089032.913	6023267.488	0	RS-700	0.13332905660
16423	-122.362	37.717	2208.693	2089032.453	6023268.665	0	RS-700	0.38171836478
16424	-122.362	37.717	2253.916	2089031.959	6023269.667	0	RS-700	0.66614132076

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16425	-122.362	37.717	2259.472	2089031.689	6023270.443	0	RS-700	0.70108220126
16426	-122.362	37.717	2270.815	2089031.496	6023270.989	0	RS-700	0.77241855346
16427	-122.361	37.717	2148.106	2089031.302	6023271.564	0	RS-700	0.00066735849
16428	-122.361	37.717	2135.659	2089030.403	6023272.819	0	RS-700	-0.07761660377
16429	-122.361	37.717	2269.816	2089029.430	6023274.159	0	RS-700	0.76614031447
16430	-122.361	37.717	2215.344	2089028.238	6023275.466	0	RS-700	0.42354459120
16431	-122.361	37.717	2219.796	2089027.338	6023276.779	0	RS-700	0.45154899371
16432	-122.361	37.717	2294.163	2089026.585	6023278.008	0	RS-700	0.91926603774
16433	-122.361	37.717	2155.991	2089026.049	6023279.328	0	RS-700	0.05025559748
16434	-122.361	37.717	2090.535	2089025.619	6023280.824	0	RS-700	-0.36141811321
16435	-122.361	37.717	2230.140	2089025.146	6023282.637	0	RS-700	0.51660446541
16436	-122.361	37.717	2061.843	2089024.854	6023284.483	0	RS-700	-0.54187062893
16437	-122.361	37.717	2170.881	2089024.488	6023286.414	0	RS-700	0.14390408805
16438	-122.361	37.717	2173.440	2089023.978	6023288.226	0	RS-700	0.15999735849
16439	-122.361	37.717	2145.335	2089023.142	6023290.003	0	RS-700	-0.01676163522
16440	-122.361	37.717	2120.547	2089022.016	6023291.688	0	RS-700	-0.17265874214
16441	-122.361	37.717	2208.003	2089020.672	6023293.310	0	RS-700	0.37737465409
16442	-122.361	37.717	2107.093	2089019.007	6023294.666	0	RS-700	-0.25727685535
16443	-122.361	37.717	2189.996	2089017.159	6023296.018	0	RS-700	0.26412301887
16444	-122.361	37.717	2173.104	2089015.677	6023297.290	0	RS-700	0.15788710692
16445	-122.361	37.717	2261.266	2089014.380	6023298.421	0	RS-700	0.71236509434
16446	-122.361	37.717	2206.010	2089013.231	6023299.411	0	RS-700	0.36484257862
16447	-122.361	37.717	2172.673	2089012.302	6023300.318	0	RS-700	0.15517553459
16448	-122.361	37.717	2133.768	2089011.820	6023300.772	0	RS-700	-0.08950968553
16449	-122.361	37.717	2227.463	2089011.820	6023300.743	0	RS-700	0.49976880503
16450	-122.361	37.717	2131.337	2089011.857	6023300.715	0	RS-700	-0.10480094340
16451	-122.361	37.717	2244.259	2089011.857	6023300.715	0	RS-700	0.60540522013
16452	-122.361	37.717	2082.436	2089011.820	6023300.743	0	RS-700	-0.41235383648
16453	-122.361	37.717	2135.554	2089011.820	6023300.743	0	RS-700	-0.07827905660
16454	-122.361	37.717	2226.009	2089011.856	6023300.772	0	RS-700	0.49062308176
16455	-122.361	37.717	2117.181	2089011.820	6023300.772	0	RS-700	-0.19382930818
16456	-122.361	37.717	2216.350	2089011.820	6023300.772	0	RS-700	0.42987220126
16457	-122.361	37.717	2110.540	2089011.856	6023300.772	0	RS-700	-0.23559440252
16458	-122.361	37.717	2194.897	2089011.856	6023300.772	0	RS-700	0.29494754717
16459	-122.361	37.717	2286.854	2089011.893	6023300.773	0	RS-700	0.87329257862
16460	-122.361	37.717	2278.276	2089011.930	6023300.716	0	RS-700	0.81934672956
16461	-122.361	37.717	2076.438	2089011.930	6023300.716	0	RS-700	-0.45007748428
16462	-122.361	37.717	2207.781	2089011.967	6023300.717	0	RS-700	0.37598031447
16463	-122.361	37.717	2246.921	2089011.967	6023300.717	0	RS-700	0.62214270440
16464	-122.361	37.717	2147.766	2089011.966	6023300.746	0	RS-700	-0.00147339623
16465	-122.361	37.717	2236.017	2089011.744	6023300.915	0	RS-700	0.55356584906
16466	-122.361	37.717	2197.785	2089010.960	6023301.883	0	RS-700	0.31311371069
16467	-122.361	37.717	2145.658	2089009.912	6023303.338	0	RS-700	-0.01473088050
16468	-122.361	37.717	2242.461	2089008.492	6023305.103	0	RS-700	0.59409232704
16469	-122.361	37.717	2187.457	2089006.784	6023306.747	0	RS-700	0.24815742138

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16470	-122.361	37.717	2178.123	2089005.008	6023308.187	0	RS-700	0.18945251572
16471	-122.361	37.717	2265.588	2089003.304	6023309.629	0	RS-700	0.73954534591
16472	-122.361	37.717	2165.671	2089001.853	6023311.162	0	RS-700	0.11113534591
16473	-122.361	37.717	2315.606	2089000.220	6023312.692	0	RS-700	1.05412610063
16474	-122.361	37.717	2249.027	2088998.556	6023313.961	0	RS-700	0.63538993711
16475	-122.361	37.717	2233.801	2088996.892	6023315.200	0	RS-700	0.53963025157
16476	-122.361	37.717	2252.924	2088995.444	6023316.589	0	RS-700	0.65989754717
16477	-122.361	37.717	2268.372	2088994.319	6023318.245	0	RS-700	0.75705553459
16478	-122.361	37.717	2286.474	2088993.189	6023320.132	0	RS-700	0.87090364780
16479	-122.361	37.717	2214.802	2088992.094	6023322.077	0	RS-700	0.42013528302
16480	-122.361	37.717	2218.574	2088991.033	6023324.168	0	RS-700	0.44385874214
16481	-122.361	37.717	2226.911	2088990.119	6023326.175	0	RS-700	0.49629754717
16482	-122.361	37.717	2242.694	2088989.355	6023327.953	0	RS-700	0.59555836478
16483	-122.361	37.717	2192.230	2088988.336	6023329.756	0	RS-700	0.27817918239
16484	-122.361	37.717	2241.920	2088987.064	6023331.437	0	RS-700	0.59069320755
16485	-122.361	37.717	2254.602	2088985.101	6023333.076	0	RS-700	0.67045163522
16486	-122.361	37.717	2278.041	2088982.782	6023334.332	0	RS-700	0.81786886793
16487	-122.361	37.717	2284.036	2088980.869	6023335.306	0	RS-700	0.85557006289
16488	-122.361	37.717	2345.370	2088979.395	6023336.145	0	RS-700	1.24131855346
16489	-122.361	37.717	2202.461	2088977.916	6023337.273	0	RS-700	0.34252383648
16490	-122.361	37.717	2263.699	2088976.540	6023338.721	0	RS-700	0.72766402516
16491	-122.361	37.717	2233.784	2088975.305	6023340.403	0	RS-700	0.53952408805
16492	-122.361	37.717	2146.773	2088974.069	6023342.086	0	RS-700	-0.00771465409
16493	-122.361	37.717	2190.344	2088972.834	6023343.768	0	RS-700	0.26631427673
16494	-122.361	37.717	2127.657	2088971.414	6023345.591	0	RS-700	-0.12794647799
16495	-122.361	37.717	2268.931	2088970.102	6023347.474	0	RS-700	0.76056924528
16496	-122.361	37.717	2311.057	2088968.680	6023349.384	0	RS-700	1.02551723270
16497	-122.361	37.717	2185.671	2088967.186	6023351.235	0	RS-700	0.23692528302
16498	-122.361	37.717	2200.669	2088965.912	6023353.061	0	RS-700	0.33124842767
16499	-122.361	37.717	2162.229	2088964.529	6023354.828	0	RS-700	0.08949314465
16500	-122.361	37.717	2258.051	2088963.072	6023356.650	0	RS-700	0.69214339623
16501	-122.361	37.717	2182.785	2088961.470	6023358.499	0	RS-700	0.21877597484
16502	-122.361	37.717	2289.713	2088960.048	6023360.409	0	RS-700	0.89127572327
16503	-122.361	37.717	2187.785	2088958.809	6023362.265	0	RS-700	0.25021761006
16504	-122.361	37.717	2313.352	2088957.420	6023364.349	0	RS-700	1.03995106918
16505	-122.361	37.717	2336.322	2088956.034	6023366.289	0	RS-700	1.18441691824
16506	-122.361	37.717	2328.181	2088954.758	6023368.202	0	RS-700	1.13321490566
16507	-122.361	37.717	2233.029	2088953.735	6023370.177	0	RS-700	0.53477226415
16508	-122.361	37.717	2046.324	2088953.481	6023371.966	0	RS-700	-0.63947264151
16509	-122.361	37.717	2104.067	2088953.412	6023373.585	0	RS-700	-0.27630779874
16510	-122.361	37.717	2241.805	2088952.905	6023375.311	0	RS-700	0.58997138365
16511	-122.361	37.717	2299.936	2088951.920	6023377.200	0	RS-700	0.95557433962
16512	-122.361	37.717	2304.936	2088950.427	6023379.022	0	RS-700	0.98701867925
16513	-122.361	37.717	2276.049	2088948.614	6023380.462	0	RS-700	0.80534075472
16514	-122.361	37.717	2245.037	2088946.624	6023381.637	0	RS-700	0.61029471698

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16515	-122.361	37.717	2233.028	2088944.673	6023382.669	0	RS-700	0.53476660377
16516	-122.361	37.717	2253.812	2088942.718	6023383.903	0	RS-700	0.66548257862
16517	-122.361	37.717	2292.062	2088940.573	6023385.567	0	RS-700	0.90604786164
16518	-122.361	37.717	2275.593	2088938.862	6023387.385	0	RS-700	0.80247081761
16519	-122.361	37.717	2230.823	2088937.659	6023389.241	0	RS-700	0.52090220126
16520	-122.361	37.717	2272.374	2088936.527	6023391.244	0	RS-700	0.78222792453
16521	-122.361	37.717	2286.936	2088935.175	6023393.271	0	RS-700	0.87381276730
16522	-122.361	37.717	2339.602	2088933.641	6023395.352	0	RS-700	1.20504635220
16523	-122.361	37.717	2284.287	2088932.038	6023397.230	0	RS-700	0.85714987421
16524	-122.361	37.717	2242.796	2088930.291	6023398.989	0	RS-700	0.59620295598
16525	-122.361	37.717	2269.611	2088928.806	6023400.406	0	RS-700	0.76484603774
16526	-122.361	37.717	2300.816	2088927.654	6023401.540	0	RS-700	0.96110427673
16527	-122.361	37.717	2281.818	2088926.796	6023402.593	0	RS-700	0.84162320755
16528	-122.361	37.717	2125.638	2088926.079	6023403.823	0	RS-700	-0.14064144654
16529	-122.361	37.717	2339.723	2088925.539	6023405.346	0	RS-700	1.20580528302
16530	-122.361	37.717	2276.694	2088925.256	6023406.758	0	RS-700	0.80939742138
16531	-122.361	37.717	2303.482	2088924.677	6023408.395	0	RS-700	0.97787113208
16532	-122.361	37.717	2400.239	2088923.655	6023410.342	0	RS-700	1.58641125786
16533	-122.361	37.717	2324.965	2088922.194	6023412.396	0	RS-700	1.11298459119
16534	-122.361	37.717	2387.611	2088920.735	6023414.363	0	RS-700	1.50698981132
16535	-122.361	37.717	2349.428	2088919.350	6023416.216	0	RS-700	1.26684433962
16536	-122.361	37.717	2338.299	2088918.043	6023417.839	0	RS-700	1.19684748428
16537	-122.361	37.717	2283.820	2088917.287	6023419.271	0	RS-700	0.85421572327
16538	-122.361	37.717	2410.991	2088916.854	6023420.882	0	RS-700	1.65403352201
16539	-122.361	37.717	2297.484	2088916.647	6023422.151	0	RS-700	0.94015012579
16540	-122.361	37.717	2353.490	2088916.069	6023423.702	0	RS-700	1.29239050314
16541	-122.361	37.717	2287.050	2088914.795	6023425.499	0	RS-700	0.87452786164
16542	-122.361	37.717	2229.795	2088912.976	6023427.257	0	RS-700	0.51443704403
16543	-122.361	37.717	2362.729	2088911.052	6023428.752	0	RS-700	1.35049452830
16544	-122.361	37.717	2242.019	2088909.170	6023430.016	0	RS-700	0.59131534591
16545	-122.361	37.717	2361.083	2088907.136	6023431.567	0	RS-700	1.34014647799
16546	-122.361	37.717	2296.165	2088905.211	6023433.120	0	RS-700	0.93185503145
16547	-122.361	37.717	2247.695	2088903.355	6023434.876	0	RS-700	0.62700987421
16548	-122.361	37.717	2134.550	2088901.574	6023436.577	0	RS-700	-0.08459169811
16549	-122.361	37.717	2247.369	2088900.118	6023438.342	0	RS-700	0.62496402516
16550	-122.361	37.717	2366.459	2088898.912	6023440.401	0	RS-700	1.37395509434
16551	-122.361	37.717	2289.165	2088897.596	6023442.457	0	RS-700	0.88783000000
16552	-122.361	37.717	2324.075	2088896.062	6023444.510	0	RS-700	1.10738974843
16553	-122.361	37.717	2263.041	2088894.383	6023446.530	0	RS-700	0.72353138365
16554	-122.361	37.717	2144.501	2088892.740	6023448.581	0	RS-700	-0.02200320755
16555	-122.361	37.717	2229.580	2088891.424	6023450.638	0	RS-700	0.51308050315
16556	-122.361	37.717	2293.825	2088890.040	6023452.491	0	RS-700	0.91713805031
16557	-122.361	37.717	2181.675	2088888.724	6023454.576	0	RS-700	0.21179157233
16558	-122.361	37.717	2135.664	2088887.333	6023456.776	0	RS-700	-0.07758427673
16559	-122.361	37.717	2226.237	2088885.870	6023458.917	0	RS-700	0.49205792453

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16560	-122.361	37.717	2233.688	2088884.593	6023460.859	0	RS-700	0.53892119497
16561	-122.361	37.717	2314.955	2088883.461	6023462.833	0	RS-700	1.05003408805
16562	-122.361	37.717	2257.918	2088882.368	6023464.662	0	RS-700	0.69130635220
16563	-122.361	37.717	2370.733	2088881.341	6023466.899	0	RS-700	1.40083861635
16564	-122.361	37.717	2379.617	2088880.571	6023468.995	0	RS-700	1.45671264151
16565	-122.361	37.717	2326.186	2088879.876	6023470.949	0	RS-700	1.12066905660
16566	-122.361	37.717	2327.692	2088879.070	6023473.016	0	RS-700	1.13013559748
16567	-122.361	37.717	2303.828	2088878.047	6023475.049	0	RS-700	0.98005031447
16568	-122.361	37.717	2310.368	2088876.259	6023477.039	0	RS-700	1.02118327044
16569	-122.361	37.717	2230.466	2088873.964	6023478.903	0	RS-700	0.51865534591
16570	-122.361	37.717	2305.521	2088871.561	6023480.677	0	RS-700	0.99069905660
16571	-122.361	37.717	2300.094	2088869.376	6023482.514	0	RS-700	0.95656729560
16572	-122.361	37.717	2300.710	2088867.443	6023484.472	0	RS-700	0.96043981132
16573	-122.361	37.717	2289.615	2088865.656	6023486.462	0	RS-700	0.89065911950
16574	-122.361	37.717	2162.554	2088864.015	6023488.396	0	RS-700	0.09153496855
16575	-122.361	37.717	2235.248	2088862.520	6023490.305	0	RS-700	0.54873238994
16576	-122.361	37.717	2283.700	2088861.206	6023492.275	0	RS-700	0.85346213837
16577	-122.361	37.717	2137.319	2088859.895	6023494.101	0	RS-700	-0.06717584906
16578	-122.361	37.717	2157.886	2088858.738	6023495.524	0	RS-700	0.06217553459
16579	-122.361	37.717	2159.883	2088857.805	6023496.663	0	RS-700	0.07473540881
16580	-122.361	37.717	2110.763	2088857.432	6023497.118	0	RS-700	-0.23419559748
16581	-122.361	37.717	2147.667	2088857.394	6023497.175	0	RS-700	-0.00209691824
16582	-122.361	37.717	2117.291	2088857.320	6023497.232	0	RS-700	-0.19313861635
16583	-122.361	37.717	2015.622	2088856.796	6023497.945	0	RS-700	-0.83256779874
16584	-122.361	37.717	1730.442	2088856.126	6023498.683	0	RS-700	-2.62615094340
16585	-122.361	37.717	1841.845	2088855.752	6023499.168	0	RS-700	-1.92550012579
16586	-122.361	37.717	2177.229	2088855.364	6023500.346	0	RS-700	0.18382968554
16587	-122.361	37.717	2157.093	2088854.577	6023501.459	0	RS-700	0.05719044025
16588	-122.361	37.717	2072.845	2088854.155	6023502.550	0	RS-700	-0.47267238994
16589	-122.361	37.717	2178.092	2088853.768	6023503.728	0	RS-700	0.18925955975
16590	-122.361	37.717	2244.801	2088852.896	6023505.447	0	RS-700	0.60881295598
16591	-122.361	37.717	2229.579	2088851.625	6023507.071	0	RS-700	0.51307440252
16592	-122.361	37.717	2142.894	2088850.395	6023508.493	0	RS-700	-0.03211383648
16593	-122.361	37.717	2194.879	2088849.490	6023510.066	0	RS-700	0.29483433962
16594	-122.361	37.717	2222.783	2088848.805	6023511.528	0	RS-700	0.47033031447
16595	-122.361	37.717	2153.658	2088848.416	6023512.793	0	RS-700	0.03558314465
16596	-122.361	37.717	2132.500	2088848.063	6023514.059	0	RS-700	-0.09748119497
16597	-122.361	37.717	2126.296	2088847.750	6023515.123	0	RS-700	-0.13650377359
16598	-122.361	37.717	2091.538	2088847.552	6023515.929	0	RS-700	-0.35510811321
16599	-122.361	37.717	2151.880	2088847.280	6023516.792	0	RS-700	0.02440339623
16600	-122.361	37.717	2210.123	2088846.857	6023517.940	0	RS-700	0.39071106918
16601	-122.361	37.717	2152.782	2088846.210	6023519.316	0	RS-700	0.03007257862
16602	-122.361	37.717	2098.169	2088845.272	6023520.686	0	RS-700	-0.31340169811
16603	-122.361	37.717	2060.949	2088843.788	6023522.074	0	RS-700	-0.54749062893
16604	-122.361	37.717	2067.257	2088841.978	6023523.340	0	RS-700	-0.50781987421



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16605	-122.361	37.717	2196.906	2088840.064	6023524.402	0	RS-700	0.30758779874
16606	-122.361	37.717	2213.684	2088838.042	6023525.316	0	RS-700	0.41310377359
16607	-122.361	37.717	2211.682	2088836.200	6023526.408	0	RS-700	0.40051716981
16608	-122.361	37.717	2228.688	2088834.317	6023527.701	0	RS-700	0.50747270440
16609	-122.361	37.717	2121.990	2088832.609	6023529.316	0	RS-700	-0.16358496855
16610	-122.361	37.717	2113.863	2088831.223	6023531.256	0	RS-700	-0.21469798742
16611	-122.361	37.717	2203.568	2088830.015	6023533.402	0	RS-700	0.34948465409
16612	-122.361	37.717	2220.118	2088828.768	6023535.662	0	RS-700	0.45357490566
16613	-122.361	37.717	2367.325	2088827.629	6023538.012	0	RS-700	1.37940446541
16614	-122.361	37.717	2378.744	2088826.819	6023540.281	0	RS-700	1.45122100629
16615	-122.361	37.717	2350.192	2088826.009	6023542.551	0	RS-700	1.27164710692
16616	-122.361	37.717	2428.997	2088825.018	6023544.759	0	RS-700	1.76727635220
16617	-122.361	37.717	2403.451	2088824.005	6023546.272	0	RS-700	1.60660723270
16618	-122.361	37.717	2348.737	2088822.771	6023547.867	0	RS-700	1.26249610063
16619	-122.361	37.717	2267.043	2088821.323	6023549.256	0	RS-700	0.74869761006
16620	-122.361	37.717	2296.403	2088820.207	6023550.478	0	RS-700	0.93335238994
16621	-122.361	37.717	2347.433	2088818.755	6023552.069	0	RS-700	1.25429509434
16622	-122.361	37.717	2257.487	2088817.523	6023553.549	0	RS-700	0.68859635220
16623	-122.361	37.717	2079.323	2088816.105	6023555.257	0	RS-700	-0.43192786164
16624	-122.360	37.717	2197.566	2088814.615	6023556.934	0	RS-700	0.31173773585
16625	-122.360	37.717	2188.671	2088813.236	6023558.556	0	RS-700	0.25579251572
16626	-122.360	37.717	2228.686	2088811.674	6023560.174	0	RS-700	0.50745660377
16627	-122.360	37.717	2190.785	2088810.218	6023561.938	0	RS-700	0.26908886793
16628	-122.360	37.717	2209.120	2088808.872	6023563.705	0	RS-700	0.38440245283
16629	-122.360	37.717	2233.240	2088807.748	6023565.303	0	RS-700	0.53609786164
16630	-122.360	37.717	2188.790	2088806.366	6023567.040	0	RS-700	0.25654201258
16631	-122.360	37.717	2247.582	2088805.025	6023568.547	0	RS-700	0.62630138365
16632	-122.360	37.717	2236.684	2088803.688	6023569.822	0	RS-700	0.55776201258
16633	-122.360	37.717	2142.089	2088802.461	6023571.129	0	RS-700	-0.03717421384
16634	-122.360	37.717	2171.110	2088801.197	6023572.406	0	RS-700	0.14534566038
16635	-122.360	37.717	2198.127	2088800.231	6023573.370	0	RS-700	0.31526163522
16636	-122.360	37.717	2154.102	2088798.929	6023574.762	0	RS-700	0.03837509434
16637	-122.360	37.717	2181.673	2088797.334	6023576.205	0	RS-700	0.21178220126
16638	-122.360	37.717	2106.283	2088795.737	6023577.736	0	RS-700	-0.26237213837
16639	-122.360	37.717	2159.556	2088794.695	6023578.872	0	RS-700	0.07268176101
16640	-122.360	37.717	2103.264	2088793.390	6023580.409	0	RS-700	-0.28135968554
16641	-122.360	37.717	2139.320	2088791.974	6023582.001	0	RS-700	-0.05459377358
16642	-122.360	37.717	2134.554	2088790.556	6023583.708	0	RS-700	-0.08456572327
16643	-122.360	37.717	2245.060	2088789.033	6023585.211	0	RS-700	0.61043805031
16644	-122.360	37.717	2159.660	2088787.505	6023586.975	0	RS-700	0.07333327044
16645	-122.360	37.717	2128.871	2088785.901	6023588.881	0	RS-700	-0.12030830189
16646	-122.360	37.717	2200.997	2088784.443	6023590.762	0	RS-700	0.33331207547
16647	-122.360	37.717	2173.451	2088782.942	6023593.017	0	RS-700	0.16007157233
16648	-122.360	37.717	2134.548	2088781.333	6023595.184	0	RS-700	-0.08460345912
16649	-122.360	37.717	2151.676	2088780.014	6023597.414	0	RS-700	0.02311641509

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16650	-122.360	37.717	2206.573	2088778.877	6023599.648	0	RS-700	0.36838226415
16651	-122.360	37.717	2198.230	2088778.000	6023601.627	0	RS-700	0.31591452830
16652	-122.360	37.717	2132.658	2088777.235	6023603.463	0	RS-700	-0.09649207547
16653	-122.360	37.717	2126.074	2088776.286	6023605.383	0	RS-700	-0.13789647799
16654	-122.360	37.717	2003.112	2088775.302	6023607.273	0	RS-700	-0.91124264151
16655	-122.360	37.717	2128.978	2088774.506	6023608.848	0	RS-700	-0.11963704403
16656	-122.360	37.717	2147.985	2088774.012	6023609.880	0	RS-700	-0.00009314465
16657	-122.360	37.717	2175.563	2088773.823	6023610.194	0	RS-700	0.17334918239
16658	-122.360	37.717	2115.066	2088773.823	6023610.223	0	RS-700	-0.20713402516
16659	-122.360	37.717	2139.217	2088773.822	6023610.252	0	RS-700	-0.05523597484
16660	-122.360	37.717	2104.649	2088773.786	6023610.222	0	RS-700	-0.27264880503
16661	-122.360	37.717	2076.638	2088773.294	6023611.167	0	RS-700	-0.44881849057
16662	-122.360	37.717	2135.876	2088772.243	6023612.767	0	RS-700	-0.07625402516
16663	-122.360	37.717	2150.306	2088770.642	6023614.500	0	RS-700	0.01450452830
16664	-122.360	37.717	2165.310	2088768.754	6023616.053	0	RS-700	0.10886949686
16665	-122.360	37.717	2083.523	2088766.834	6023617.375	0	RS-700	-0.40551547170
16666	-122.360	37.717	2142.663	2088765.023	6023618.698	0	RS-700	-0.03356805031
16667	-122.360	37.717	2151.990	2088763.431	6023619.998	0	RS-700	0.02509572327
16668	-122.360	37.717	2132.758	2088761.761	6023621.585	0	RS-700	-0.09586283019
16669	-122.360	37.717	2204.235	2088760.234	6023623.290	0	RS-700	0.35367672956
16670	-122.360	37.717	2176.453	2088758.821	6023624.737	0	RS-700	0.17895169811
16671	-122.360	37.717	2064.638	2088757.665	6023626.074	0	RS-700	-0.52428855346
16672	-122.360	37.717	2170.359	2088756.504	6023627.700	0	RS-700	0.14062138365
16673	-122.360	37.717	2168.103	2088755.305	6023629.412	0	RS-700	0.12643176101
16674	-122.360	37.717	2145.984	2088754.249	6023631.214	0	RS-700	-0.01268201258
16675	-122.360	37.717	2121.631	2088752.934	6023633.242	0	RS-700	-0.16584383648
16676	-122.360	37.717	2120.868	2088751.654	6023635.328	0	RS-700	-0.17064371069
16677	-122.360	37.717	2112.326	2088750.304	6023637.298	0	RS-700	-0.22436779874
16678	-122.360	37.717	2139.874	2088748.809	6023639.206	0	RS-700	-0.05110880503
16679	-122.360	37.717	2141.986	2088747.277	6023641.172	0	RS-700	-0.03782433962
16680	-122.360	37.717	2178.011	2088745.420	6023643.015	0	RS-700	0.18874578616
16681	-122.360	37.717	2137.302	2088743.599	6023644.831	0	RS-700	-0.06728320755
16682	-122.360	37.717	2125.183	2088741.889	6023646.591	0	RS-700	-0.14350509434
16683	-122.360	37.717	2181.890	2088740.506	6023648.386	0	RS-700	0.21314484277
16684	-122.360	37.717	2140.230	2088739.295	6023650.647	0	RS-700	-0.04886974843
16685	-122.360	37.717	2093.180	2088738.374	6023653.030	0	RS-700	-0.34477937107
16686	-122.360	37.717	2127.656	2088737.783	6023655.246	0	RS-700	-0.12795025157
16687	-122.360	37.717	2146.201	2088737.160	6023657.317	0	RS-700	-0.01131415094
16688	-122.360	37.717	2030.419	2088736.175	6023659.235	0	RS-700	-0.73950220126
16689	-122.360	37.717	2113.229	2088734.828	6023661.002	0	RS-700	-0.21868402516
16690	-122.360	37.717	2041.720	2088733.156	6023662.676	0	RS-700	-0.66842899371
16691	-122.360	37.717	2101.861	2088731.159	6023664.227	0	RS-700	-0.29018308176
16692	-122.360	37.717	2144.090	2088729.054	6023665.690	0	RS-700	-0.02459270440
16693	-122.360	37.717	2136.982	2088727.164	6023667.301	0	RS-700	-0.06929723270
16694	-122.360	37.717	2145.749	2088725.236	6023669.057	0	RS-700	-0.01415698113

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16695	-122.360	37.717	2201.680	2088723.526	6023670.788	0	RS-700	0.33760886793
16696	-122.360	37.717	2147.645	2088722.000	6023672.435	0	RS-700	-0.00223270440
16697	-122.360	37.717	2080.539	2088720.509	6023674.141	0	RS-700	-0.42428276730
16698	-122.360	37.717	2226.035	2088719.164	6023675.850	0	RS-700	0.49078503145
16699	-122.360	37.717	2223.692	2088717.626	6023678.105	0	RS-700	0.47605094340
16700	-122.360	37.717	2215.460	2088715.976	6023680.532	0	RS-700	0.42427905660
16701	-122.360	37.717	2222.020	2088714.328	6023682.813	0	RS-700	0.46553704403
16702	-122.360	37.717	2177.668	2088712.681	6023685.066	0	RS-700	0.18659050315
16703	-122.360	37.717	2218.790	2088710.998	6023687.260	0	RS-700	0.44522207547
16704	-122.360	37.717	2200.021	2088709.398	6023688.993	0	RS-700	0.32717773585
16705	-122.360	37.717	2173.215	2088707.872	6023690.641	0	RS-700	0.15858383648
16706	-122.360	37.717	2163.777	2088706.339	6023692.636	0	RS-700	0.09922672956
16707	-122.360	37.717	2216.462	2088704.912	6023694.806	0	RS-700	0.43057855346
16708	-122.360	37.717	2125.655	2088703.780	6023696.809	0	RS-700	-0.14053616352
16709	-122.360	37.717	2175.235	2088702.831	6023698.728	0	RS-700	0.17129138365
16710	-122.360	37.716	2113.551	2088701.807	6023700.791	0	RS-700	-0.21665735849
16711	-122.360	37.716	2129.649	2088701.038	6023702.801	0	RS-700	-0.11541654088
16712	-122.360	37.716	2167.745	2088700.531	6023704.526	0	RS-700	0.12418037736
16713	-122.360	37.716	2053.738	2088699.878	6023706.220	0	RS-700	-0.59284081761
16714	-122.360	37.716	2100.542	2088698.673	6023708.222	0	RS-700	-0.29847874214
16715	-122.360	37.716	2054.840	2088696.994	6023710.242	0	RS-700	-0.58591069182
16716	-122.360	37.716	2131.105	2088694.917	6023712.110	0	RS-700	-0.10626069182
16717	-122.360	37.716	2146.670	2088692.629	6023713.627	0	RS-700	-0.00836477987
16718	-122.360	37.716	2090.038	2088690.561	6023715.062	0	RS-700	-0.36454169811
16719	-122.360	37.716	2172.889	2088688.633	6023716.759	0	RS-700	0.15653610063
16720	-122.360	37.716	2128.976	2088686.812	6023718.632	0	RS-700	-0.11964666667
16721	-122.360	37.716	2095.325	2088685.170	6023720.596	0	RS-700	-0.33129056604
16722	-122.360	37.716	2151.773	2088683.637	6023722.591	0	RS-700	0.02372672956
16723	-122.360	37.716	2258.931	2088682.137	6023724.788	0	RS-700	0.69767949686
16724	-122.360	37.716	2126.762	2088680.597	6023727.130	0	RS-700	-0.13357452830
16725	-122.360	37.716	2035.732	2088679.098	6023729.270	0	RS-700	-0.70608792453
16726	-122.360	37.716	1993.408	2088677.674	6023731.267	0	RS-700	-0.97227666667
16727	-122.360	37.716	2074.954	2088676.288	6023733.207	0	RS-700	-0.45941106918
16728	-122.360	37.716	2111.017	2088675.049	6023735.062	0	RS-700	-0.23259987421
16729	-122.360	37.716	2168.214	2088673.884	6023736.891	0	RS-700	0.12713402516
16730	-122.360	37.716	2233.132	2088672.573	6023738.716	0	RS-700	0.53541830189
16731	-122.360	37.716	2146.879	2088671.114	6023740.684	0	RS-700	-0.00705226415
16732	-122.360	37.716	2160.314	2088669.543	6023742.764	0	RS-700	0.07744855346
16733	-122.360	37.716	2261.709	2088668.079	6023744.934	0	RS-700	0.71514779874
16734	-122.360	37.716	2182.677	2088666.831	6023747.281	0	RS-700	0.21809270440
16735	-122.360	37.716	2098.345	2088665.655	6023749.630	0	RS-700	-0.31229616352
16736	-122.360	37.716	2146.094	2088664.628	6023751.838	0	RS-700	-0.01199056604
16737	-122.360	37.716	2160.667	2088663.600	6023754.074	0	RS-700	0.07966792453
16738	-122.360	37.716	2182.895	2088662.356	6023756.190	0	RS-700	0.21946490566
16739	-122.360	37.716	2208.461	2088660.900	6023757.984	0	RS-700	0.38025830189

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16740	-122.360	37.716	2228.580	2088658.972	6023759.739	0	RS-700	0.50679245283
16741	-122.360	37.716	2156.666	2088656.718	6023761.343	0	RS-700	0.05450308176
16742	-122.360	37.716	2368.336	2088654.500	6023763.006	0	RS-700	1.38575993711
16743	-122.360	37.716	2205.682	2088652.241	6023764.900	0	RS-700	0.02839372434
16744	-122.360	37.716	2393.216	2088650.232	6023767.001	0	RS-700	0.57834516129
16745	-122.360	37.716	2557.558	2088648.629	6023768.878	0	RS-700	1.06028721408
16746	-122.360	37.716	2661.151	2088647.212	6023770.557	0	RS-700	1.36408035191
16747	-122.360	37.716	2524.900	2088646.092	6023771.952	0	RS-700	0.96451504399
16748	-122.360	37.716	2299.826	2088645.904	6023772.238	0	RS-700	0.30447615836
16749	-122.360	37.716	2153.093	2088645.830	6023772.294	0	RS-700	-0.12582563050
16750	-122.360	37.716	1931.897	2088644.826	6023773.316	0	RS-700	-0.77449683285
16751	-122.360	37.716	1707.614	2088644.455	6023773.684	0	RS-700	-1.43221744868
16752	-122.360	37.716	1584.647	2088643.601	6023774.506	0	RS-700	-1.79282299120
16753	-122.360	37.716	1977.606	2088642.813	6023775.677	0	RS-700	-0.64045070381
16754	-122.360	37.716	2636.548	2088641.652	6023777.274	0	RS-700	1.29192958944
16755	-122.360	37.716	2650.344	2088640.113	6023779.558	0	RS-700	3.15939402516
16756	-122.360	37.716	2297.168	2088638.312	6023782.242	0	RS-700	0.93816314465
16757	-122.360	37.716	2233.583	2088636.515	6023784.694	0	RS-700	0.53825591195
16758	-122.360	37.716	2214.567	2088635.125	6023786.836	0	RS-700	0.41866025157
16759	-122.360	37.716	2111.654	2088634.139	6023788.784	0	RS-700	-0.22859037736
16760	-122.360	37.716	2178.001	2088633.302	6023790.619	0	RS-700	0.18868396226
16761	-122.360	37.716	2254.712	2088632.313	6023792.740	0	RS-700	0.67114654088
16762	-122.360	37.716	2083.949	2088631.138	6023795.031	0	RS-700	-0.40283937107
16763	-122.360	37.716	2158.673	2088630.109	6023797.354	0	RS-700	0.06712817610
16764	-122.360	37.716	2219.576	2088629.006	6023799.704	0	RS-700	0.45016377359
16765	-122.360	37.716	2135.155	2088627.759	6023801.965	0	RS-700	-0.08078647799
16766	-122.360	37.716	2189.672	2088626.296	6023804.106	0	RS-700	0.26209094340
16767	-122.360	37.716	2192.569	2088624.582	6023806.039	0	RS-700	0.28030540881
16768	-122.360	37.716	2104.857	2088622.657	6023807.650	0	RS-700	-0.27133930818
16769	-122.360	37.716	2268.594	2088620.663	6023808.999	0	RS-700	0.75845251572
16770	-122.360	37.716	2185.335	2088618.670	6023810.319	0	RS-700	0.23481062893
16771	-122.360	37.716	2188.567	2088616.821	6023811.758	0	RS-700	0.25514069182
16772	-122.360	37.716	2261.698	2088615.151	6023813.316	0	RS-700	0.71508339623
16773	-122.360	37.716	2288.820	2088613.478	6023815.047	0	RS-700	0.88565767296
16774	-122.360	37.716	2145.209	2088611.910	6023816.954	0	RS-700	-0.01755377358
16775	-122.360	37.716	2134.871	2088610.483	6023819.154	0	RS-700	-0.08257289308
16776	-122.360	37.716	2255.584	2088609.050	6023821.613	0	RS-700	0.67663050315
16777	-122.360	37.716	2327.760	2088608.052	6023824.168	0	RS-700	1.13056836478
16778	-122.360	37.716	2191.871	2088607.418	6023826.759	0	RS-700	0.27591616352
16779	-122.360	37.716	2259.356	2088606.531	6023829.259	0	RS-700	0.70035496855
16780	-122.360	37.716	2205.789	2088605.035	6023831.196	0	RS-700	0.36345440252
16781	-122.360	37.716	2078.852	2088603.441	6023832.640	0	RS-700	-0.43489572327
16782	-122.360	37.716	2133.302	2088602.105	6023833.887	0	RS-700	-0.09244220126
16783	-122.360	37.716	2148.796	2088600.871	6023835.511	0	RS-700	0.00500484277
16784	-122.360	37.716	2117.829	2088599.670	6023837.310	0	RS-700	-0.18975345912

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16785	-122.360	37.716	2097.331	2088598.393	6023839.223	0	RS-700	-0.31867088050
16786	-122.360	37.716	2124.548	2088597.156	6023841.021	0	RS-700	-0.14749427673
16787	-122.359	37.716	2107.282	2088595.736	6023842.844	0	RS-700	-0.25609018868
16788	-122.359	37.716	2163.104	2088593.980	6023845.037	0	RS-700	0.09499062893
16789	-122.359	37.716	2117.666	2088592.261	6023847.259	0	RS-700	-0.19078257862
16790	-122.359	37.716	2064.536	2088590.797	6023849.458	0	RS-700	-0.52493276730
16791	-122.359	37.716	2184.464	2088589.521	6023851.342	0	RS-700	0.22933584906
16792	-122.359	37.716	2150.108	2088588.173	6023853.196	0	RS-700	0.01325742138
16793	-122.359	37.716	2152.466	2088586.573	6023854.900	0	RS-700	0.02808603774
16794	-122.359	37.716	2144.210	2088584.761	6023856.310	0	RS-700	-0.02383597484
16795	-122.359	37.716	2092.064	2088582.799	6023857.891	0	RS-700	-0.35180006289
16796	-122.359	37.716	2127.550	2088580.727	6023859.528	0	RS-700	-0.12861899371
16797	-122.359	37.716	2055.855	2088578.726	6023861.282	0	RS-700	-0.57952773585
16798	-122.359	37.716	1999.307	2088576.868	6023863.126	0	RS-700	-0.93517484277
16799	-122.359	37.716	2132.070	2088575.046	6023865.028	0	RS-700	-0.10018597484
16800	-122.359	37.716	2195.786	2088573.481	6023866.791	0	RS-700	0.30053811321
16801	-122.359	37.716	2184.989	2088571.988	6023868.641	0	RS-700	0.23263534591
16802	-122.359	37.716	2225.580	2088570.600	6023870.639	0	RS-700	0.48792446541
16803	-122.359	37.716	2077.527	2088569.208	6023872.897	0	RS-700	-0.44322735849
16804	-122.359	37.716	2056.840	2088567.922	6023875.301	0	RS-700	-0.57333327044
16805	-122.359	37.716	2046.733	2088566.598	6023877.792	0	RS-700	-0.63689811321
16806	-122.359	37.716	2206.902	2088565.130	6023880.193	0	RS-700	0.37045308176
16807	-122.359	37.716	2182.113	2088563.698	6023882.595	0	RS-700	0.21454452830
16808	-122.359	37.716	2153.093	2088562.264	6023885.112	0	RS-700	0.03202836478
16809	-122.359	37.716	2254.262	2088560.797	6023887.484	0	RS-700	0.66831591195
16810	-122.359	37.716	2276.935	2088559.440	6023889.772	0	RS-700	0.81091050315
16811	-122.359	37.716	2246.915	2088558.010	6023892.116	0	RS-700	0.62210566038
16812	-122.359	37.716	2224.896	2088556.545	6023894.343	0	RS-700	0.48362000000
16813	-122.359	37.716	2259.470	2088555.119	6023896.485	0	RS-700	0.70106786164
16814	-122.359	37.716	2254.371	2088553.474	6023898.593	0	RS-700	0.66900308176
16815	-122.359	37.716	2232.466	2088551.616	6023900.465	0	RS-700	0.53123308176
16816	-122.359	37.716	2245.254	2088549.621	6023901.930	0	RS-700	0.61166075472
16817	-122.359	37.716	2296.853	2088547.480	6023903.363	0	RS-700	0.93618025157
16818	-122.359	37.716	2334.963	2088545.374	6023904.884	0	RS-700	1.17586679245
16819	-122.359	37.716	2308.826	2088543.044	6023906.660	0	RS-700	1.01148119497
16820	-122.359	37.716	2250.798	2088540.965	6023908.673	0	RS-700	0.64652955975
16821	-122.359	37.716	2267.700	2088539.388	6023911.014	0	RS-700	0.75283232704
16822	-122.359	37.716	2303.646	2088537.711	6023912.948	0	RS-700	0.97890251572
16823	-122.359	37.716	2321.416	2088536.320	6023915.119	0	RS-700	1.09066767296
16824	-122.359	37.716	2164.329	2088534.819	6023917.374	0	RS-700	0.10269911950
16825	-122.359	37.716	2224.346	2088533.392	6023919.516	0	RS-700	0.48016364780
16826	-122.359	37.716	2288.155	2088531.857	6023921.626	0	RS-700	0.88148094340
16827	-122.359	37.716	2064.638	2088530.321	6023923.795	0	RS-700	-0.52429188679
16828	-122.359	37.716	2224.452	2088528.856	6023926.022	0	RS-700	0.48082880503
16829	-122.359	37.716	2231.028	2088527.502	6023928.194	0	RS-700	0.52218723270

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16830	-122.359	37.716	2181.097	2088526.184	6023930.366	0	RS-700	0.20815584906
16831	-122.359	37.716	2229.689	2088524.902	6023932.598	0	RS-700	0.51376559748
16832	-122.359	37.716	2190.227	2088523.431	6023935.114	0	RS-700	0.26558050315
16833	-122.359	37.716	2220.689	2088521.638	6023937.393	0	RS-700	0.45716251572
16834	-122.359	37.716	2210.671	2088519.959	6023939.414	0	RS-700	0.39415465409
16835	-122.359	37.716	2202.119	2088518.752	6023941.502	0	RS-700	0.34037169811
16836	-122.359	37.716	2095.955	2088517.834	6023943.711	0	RS-700	-0.32732792453
16837	-122.359	37.716	2145.093	2088516.737	6023945.801	0	RS-700	-0.01828477987
16838	-122.359	37.716	2148.310	2088515.241	6023947.768	0	RS-700	0.00194805031
16839	-122.359	37.716	2168.777	2088513.275	6023949.580	0	RS-700	0.13067245283
16840	-122.359	37.716	2100.995	2088511.203	6023951.217	0	RS-700	-0.29562830189
16841	-122.359	37.716	2154.554	2088509.168	6023952.797	0	RS-700	0.04121754717
16842	-122.359	37.716	2143.217	2088507.169	6023954.435	0	RS-700	-0.03008238994
16843	-122.359	37.716	2188.787	2088505.312	6023956.250	0	RS-700	0.25651955975
16844	-122.359	37.716	2146.769	2088503.597	6023958.241	0	RS-700	-0.00774106918
16845	-122.359	37.716	2164.666	2088501.844	6023960.318	0	RS-700	0.10481836478
16846	-122.359	37.716	2209.900	2088500.017	6023962.480	0	RS-700	0.38930729560
16847	-122.359	37.716	2282.709	2088498.262	6023964.644	0	RS-700	0.84722496855
16848	-122.359	37.716	2092.545	2088496.584	6023966.607	0	RS-700	-0.34877402516
16849	-122.359	37.716	2159.100	2088495.125	6023968.546	0	RS-700	0.06980943396
16850	-122.359	37.716	2197.114	2088493.702	6023970.542	0	RS-700	0.30889471698
16851	-122.359	37.716	2091.427	2088492.387	6023972.541	0	RS-700	-0.35580805031
16852	-122.359	37.716	2207.128	2088491.179	6023974.687	0	RS-700	0.37187628931
16853	-122.359	37.716	2305.832	2088489.863	6023976.802	0	RS-700	0.99265377359
16854	-122.359	37.716	2213.461	2088488.330	6023978.797	0	RS-700	0.41170232704
16855	-122.359	37.716	2085.361	2088486.756	6023981.022	0	RS-700	-0.39395817610
16856	-122.359	37.716	2122.557	2088485.291	6023983.250	0	RS-700	-0.16001962264
16857	-122.359	37.716	2243.923	2088484.045	6023985.510	0	RS-700	0.60328974843
16858	-122.359	37.716	2212.350	2088483.089	6023987.806	0	RS-700	0.40471811321
16859	-122.359	37.716	2216.682	2088482.423	6023990.136	0	RS-700	0.43196490566
16860	-122.359	37.716	2168.784	2088481.799	6023992.235	0	RS-700	0.13071584906
16861	-122.359	37.716	2125.974	2088480.517	6023994.409	0	RS-700	-0.13852591195
16862	-122.359	37.716	2263.036	2088478.330	6023996.333	0	RS-700	0.72349842767
16863	-122.359	37.716	2273.524	2088476.002	6023998.051	0	RS-700	0.78946169811
16864	-122.359	37.716	2170.573	2088473.929	6023999.746	0	RS-700	0.14196792453
16865	-122.359	37.716	2145.662	2088471.707	6024001.611	0	RS-700	-0.01470408805
16866	-122.359	37.716	2216.348	2088469.628	6024003.595	0	RS-700	0.42985849057
16867	-122.359	37.716	2102.650	2088467.982	6024005.761	0	RS-700	-0.28521849057
16868	-122.359	37.716	2127.642	2088466.664	6024007.963	0	RS-700	-0.12803943396
16869	-122.359	37.716	2141.089	2088465.422	6024009.992	0	RS-700	-0.04346754717
16870	-122.359	37.716	2156.670	2088463.996	6024012.076	0	RS-700	0.05453132075
16871	-122.359	37.716	2092.964	2088462.386	6024014.300	0	RS-700	-0.34613616352
16872	-122.359	37.716	2069.067	2088460.668	6024016.436	0	RS-700	-0.49643207547
16873	-122.359	37.716	2068.219	2088459.099	6024018.430	0	RS-700	-0.50176528302
16874	-122.359	37.716	2147.533	2088457.566	6024020.453	0	RS-700	-0.00293465409

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16875	-122.359	37.716	2131.768	2088456.063	6024022.767	0	RS-700	-0.10209062893
16876	-122.359	37.716	2141.519	2088454.266	6024025.219	0	RS-700	-0.04076119497
16877	-122.359	37.716	2143.891	2088452.582	6024027.529	0	RS-700	-0.02584459120
16878	-122.359	37.716	2117.407	2088451.045	6024029.698	0	RS-700	-0.19240886793
16879	-122.359	37.716	2088.858	2088449.586	6024031.636	0	RS-700	-0.37196213837
16880	-122.359	37.716	2164.670	2088448.193	6024033.952	0	RS-700	0.10484471698
16881	-122.359	37.716	2066.052	2088447.123	6024036.476	0	RS-700	-0.51539503145
16882	-122.359	37.716	2147.768	2088445.946	6024038.883	0	RS-700	-0.00145647799
16883	-122.359	37.716	2125.655	2088444.629	6024041.027	0	RS-700	-0.14053182390
16884	-122.359	37.716	2087.960	2088442.878	6024043.017	0	RS-700	-0.37760849057
16885	-122.359	37.716	2148.083	2088440.663	6024044.535	0	RS-700	0.00052446541
16886	-122.359	37.716	2137.445	2088438.162	6024045.759	0	RS-700	-0.06638371069
16887	-122.359	37.716	1969.313	2088435.846	6024046.812	0	RS-700	-1.12381710692
16888	-122.359	37.716	2062.330	2088433.965	6024048.048	0	RS-700	-0.53880710692
16889	-122.359	37.716	2111.760	2088432.732	6024049.585	0	RS-700	-0.22792446541
16890	-122.359	37.716	2125.967	2088432.409	6024051.170	0	RS-700	-0.13857289308
16891	-122.359	37.716	2076.068	2088432.711	6024052.478	0	RS-700	-0.45240132076
16892	-122.359	37.716	2140.196	2088433.379	6024053.706	0	RS-700	-0.04907962264
16893	-122.359	37.716	2071.956	2088434.521	6024054.886	0	RS-700	-0.47826383648
16894	-122.359	37.716	2065.029	2088435.381	6024055.598	0	RS-700	-0.52182761006
16895	-122.359	37.716	2095.751	2088436.569	6024056.258	0	RS-700	-0.32861320755
16896	-122.359	37.716	2064.640	2088437.400	6024056.622	0	RS-700	-0.52427452830
16897	-122.359	37.716	2026.326	2088437.472	6024056.623	0	RS-700	-0.76524710692
16898	-122.359	37.716	2044.927	2088437.327	6024056.620	0	RS-700	-0.64825786164
16899	-122.359	37.716	2032.118	2088437.327	6024056.591	0	RS-700	-0.72881522013
16900	-122.359	37.716	2111.079	2088437.291	6024056.590	0	RS-700	-0.23220880503
16901	-122.359	37.716	2076.852	2088437.255	6024056.590	0	RS-700	-0.44746987421
16902	-122.359	37.716	1996.317	2088437.291	6024056.590	0	RS-700	-0.95398257862
16903	-122.359	37.716	2058.564	2088437.291	6024056.590	0	RS-700	-0.56248993711
16904	-122.359	37.716	2139.669	2088437.255	6024056.590	0	RS-700	-0.05239628931
16905	-122.359	37.716	2132.297	2088437.218	6024056.589	0	RS-700	-0.09876238994
16906	-122.359	37.716	2067.853	2088437.218	6024056.589	0	RS-700	-0.50407194969
16907	-122.359	37.716	2030.832	2088437.218	6024056.589	0	RS-700	-0.73690836478
16908	-122.359	37.716	2063.941	2088438.015	6024056.807	0	RS-700	-0.52867182390
16909	-122.359	37.716	2049.042	2088439.687	6024056.956	0	RS-700	-0.62237949686
16910	-122.359	37.716	2047.246	2088441.911	6024056.856	0	RS-700	-0.63367396226
16911	-122.359	37.716	2104.859	2088444.254	6024056.237	0	RS-700	-0.27132515723
16912	-122.359	37.716	2112.334	2088446.939	6024054.930	0	RS-700	-0.22431547170
16913	-122.359	37.716	2133.766	2088449.770	6024053.540	0	RS-700	-0.08952044025
16914	-122.359	37.716	2193.682	2088452.783	6024052.211	0	RS-700	0.28730647799
16915	-122.359	37.716	2182.348	2088455.544	6024050.733	0	RS-700	0.21602666667
16916	-122.359	37.716	2197.009	2088458.158	6024049.309	0	RS-700	0.30823333333
16917	-122.359	37.716	2105.963	2088460.703	6024047.711	0	RS-700	-0.26438333333
16918	-122.359	37.716	2169.888	2088463.100	6024046.196	0	RS-700	0.13766163522
16919	-122.359	37.716	2002.824	2088465.504	6024044.334	0	RS-700	-0.91305830189

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16920	-122.359	37.716	2134.981	2088467.946	6024042.416	0	RS-700	-0.08187786164
16921	-122.359	37.716	2141.555	2088470.532	6024040.558	0	RS-700	-0.04053635220
16922	-122.359	37.716	2131.764	2088473.081	6024038.757	0	RS-700	-0.10211232704
16923	-122.359	37.716	2166.203	2088475.596	6024036.810	0	RS-700	0.11448698113
16924	-122.359	37.716	2105.749	2088478.078	6024034.719	0	RS-700	-0.26572654088
16925	-122.359	37.716	2161.101	2088480.489	6024032.481	0	RS-700	0.08239333333
16926	-122.359	37.716	2183.218	2088482.937	6024030.273	0	RS-700	0.22149698113
16927	-122.359	37.716	2298.942	2088485.417	6024028.239	0	RS-700	0.94931805031
16928	-122.359	37.716	2184.116	2088487.933	6024026.264	0	RS-700	0.22714301887
16929	-122.359	37.716	2261.147	2088490.375	6024024.317	0	RS-700	0.71161748428
16930	-122.359	37.716	2192.681	2088492.892	6024022.284	0	RS-700	0.28101352201
16931	-122.359	37.716	2180.018	2088495.377	6024020.047	0	RS-700	0.20137100629
16932	-122.359	37.716	2206.904	2088497.497	6024017.804	0	RS-700	0.37046345912
16933	-122.359	37.716	2208.470	2088499.619	6024015.503	0	RS-700	0.38031578616
16934	-122.359	37.716	2213.356	2088501.955	6024013.408	0	RS-700	0.41104534591
16935	-122.359	37.716	2354.616	2088504.072	6024011.309	0	RS-700	1.29946886792
16936	-122.359	37.716	2200.342	2088506.194	6024009.008	0	RS-700	0.32919182390
16937	-122.359	37.716	2297.058	2088508.097	6024006.703	0	RS-700	0.93747314465
16938	-122.359	37.716	2260.692	2088509.641	6024004.130	0	RS-700	0.70875295598
16939	-122.359	37.716	2285.939	2088511.262	6024001.384	0	RS-700	0.86754213837
16940	-122.359	37.716	2230.026	2088512.844	6023998.725	0	RS-700	0.51588842767
16941	-122.359	37.716	2181.891	2088514.243	6023996.178	0	RS-700	0.21314867925
16942	-122.359	37.716	2130.294	2088515.529	6023993.774	0	RS-700	-0.11135672956
16943	-122.359	37.716	2166.565	2088516.789	6023990.848	0	RS-700	0.11676270440
16944	-122.359	37.716	2295.704	2088517.940	6023987.862	0	RS-700	0.92895691824
16945	-122.359	37.716	2215.150	2088518.983	6023984.903	0	RS-700	0.42232660377
16946	-122.359	37.716	2108.804	2088519.770	6023981.938	0	RS-700	-0.24651691824
16947	-122.359	37.716	1906.303	2088520.700	6023979.122	0	RS-700	-1.52010710692
16948	-122.359	37.716	2241.136	2088521.849	6023976.251	0	RS-700	0.58575861635
16949	-122.359	37.716	2182.894	2088523.144	6023973.413	0	RS-700	0.21945603774
16950	-122.359	37.716	2165.228	2088524.147	6023970.598	0	RS-700	0.10835220126
16951	-122.359	37.716	2170.549	2088525.075	6023967.868	0	RS-700	0.14181823899
16952	-122.359	37.716	2142.342	2088526.188	6023964.997	0	RS-700	-0.03558327044
16953	-122.359	37.716	2173.994	2088527.522	6023962.043	0	RS-700	0.16348264151
16954	-122.359	37.716	2169.887	2088528.924	6023959.294	0	RS-700	0.13765245283
16955	-122.359	37.716	2217.130	2088530.470	6023956.634	0	RS-700	0.43477867925
16956	-122.359	37.716	2191.677	2088531.980	6023953.944	0	RS-700	0.27469679245
16957	-122.359	37.716	2180.654	2088533.454	6023951.225	0	RS-700	0.20537320755
16958	-122.359	37.716	2215.574	2088534.676	6023948.414	0	RS-700	0.42499603774
16959	-122.359	37.716	2211.996	2088535.565	6023945.799	0	RS-700	0.40248754717
16960	-122.359	37.716	2141.667	2088536.384	6023943.096	0	RS-700	-0.03983264151
16961	-122.359	37.716	2203.792	2088537.431	6023939.877	0	RS-700	0.35089232704
16962	-122.359	37.716	2144.641	2088538.436	6023936.946	0	RS-700	-0.02112597484
16963	-122.359	37.716	2233.473	2088540.016	6023934.402	0	RS-700	0.53756591195
16964	-122.359	37.716	2238.483	2088542.242	6023932.335	0	RS-700	0.56907358491



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
16965	-122.359	37.716	2291.358	2088544.792	6023930.476	0	RS-700	0.90162188679
16966	-122.359	37.716	2298.832	2088547.376	6023928.733	0	RS-700	0.94863100629
16967	-122.359	37.716	2228.253	2088549.923	6023927.048	0	RS-700	0.50473421384
16968	-122.359	37.716	2250.695	2088552.326	6023925.215	0	RS-700	0.64588320755
16969	-122.359	37.716	2283.809	2088554.809	6023923.095	0	RS-700	0.85414421384
16970	-122.359	37.716	2254.578	2088557.325	6023921.091	0	RS-700	0.67030371069
16971	-122.359	37.716	2417.226	2088559.842	6023919.058	0	RS-700	1.69324597484
16972	-122.359	37.716	2316.054	2088562.215	6023916.935	0	RS-700	1.05694301887
16973	-122.359	37.716	2294.173	2088564.298	6023914.720	0	RS-700	0.91932773585
16974	-122.359	37.716	2241.687	2088566.457	6023912.362	0	RS-700	0.58922754717
16975	-122.359	37.716	2271.928	2088568.650	6023910.149	0	RS-700	0.77942364780
16976	-122.359	37.716	2275.931	2088570.987	6023907.996	0	RS-700	0.80459616352
16977	-122.359	37.716	2175.783	2088573.286	6023905.959	0	RS-700	0.17473716981
16978	-122.359	37.716	2144.315	2088575.473	6023904.035	0	RS-700	-0.02317584906
16979	-122.359	37.716	2233.691	2088577.955	6023901.915	0	RS-700	0.53893823899
16980	-122.359	37.716	2143.889	2088580.290	6023899.878	0	RS-700	-0.02585320755
16981	-122.359	37.716	2076.056	2088582.589	6023897.783	0	RS-700	-0.45247559748
16982	-122.359	37.716	2163.314	2088584.889	6023895.659	0	RS-700	0.09631339623
16983	-122.359	37.716	2088.063	2088587.120	6023893.389	0	RS-700	-0.37696509434
16984	-122.359	37.716	2134.286	2088589.350	6023891.118	0	RS-700	-0.08625119497
16985	-122.359	37.716	2150.766	2088591.433	6023888.932	0	RS-700	0.01739880503
16986	-122.359	37.716	2164.886	2088593.371	6023886.714	0	RS-700	0.10619899371
16987	-122.359	37.716	2218.907	2088595.237	6023884.437	0	RS-700	0.44595704403
16988	-122.359	37.716	2204.901	2088596.810	6023882.269	0	RS-700	0.35786490566
16989	-122.359	37.716	2228.574	2088598.230	6023880.446	0	RS-700	0.50675345912
16990	-122.359	37.716	2255.032	2088599.864	6023878.858	0	RS-700	0.67315591195
16991	-122.359	37.716	2168.895	2088601.828	6023877.161	0	RS-700	0.13141339623
16992	-122.359	37.716	2185.235	2088603.901	6023875.438	0	RS-700	0.23417993711
16993	-122.359	37.716	2258.699	2088606.194	6023873.690	0	RS-700	0.69622169811
16994	-122.359	37.716	2137.763	2088608.597	6023871.886	0	RS-700	-0.06438465409
16995	-122.359	37.716	2198.669	2088611.037	6023870.054	0	RS-700	0.31867251572
16996	-122.359	37.716	2186.331	2088613.586	6023868.224	0	RS-700	0.24107817610
16997	-122.359	37.716	2194.571	2088616.025	6023866.450	0	RS-700	0.29289968554
16998	-122.359	37.716	2206.441	2088618.282	6023864.701	0	RS-700	0.36755578616
16999	-122.359	37.716	2242.139	2088619.649	6023863.687	0	RS-700	0.59206930818
17000	-122.359	37.716	2235.123	2088620.499	6023863.096	0	RS-700	0.54794566038
17001	-122.359	37.716	2125.297	2088621.684	6023862.107	0	RS-700	-0.14278761006
17002	-122.359	37.716	2027.635	2088623.310	6023860.924	0	RS-700	-0.75701163522
17003	-122.359	37.716	2126.188	2088625.592	6023859.697	0	RS-700	-0.13718408805
17004	-122.359	37.716	2090.064	2088628.164	6023858.533	0	RS-700	-0.36437622642
17005	-122.359	37.716	2187.546	2088630.588	6023857.510	0	RS-700	0.24872000000
17006	-122.359	37.716	2119.174	2088633.085	6023856.489	0	RS-700	-0.18129817610
17007	-122.359	37.716	2110.079	2088635.437	6023855.437	0	RS-700	-0.23849955975
17008	-122.359	37.716	2156.201	2088637.716	6023854.383	0	RS-700	0.05158144654
17009	-122.359	37.716	2223.568	2088640.064	6023853.533	0	RS-700	0.47526811321

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17010	-122.359	37.716	2152.664	2088641.900	6023852.759	0	RS-700	0.02933477987
17011	-122.359	37.716	2209.016	2088643.637	6023851.463	0	RS-700	0.38374767296
17012	-122.359	37.716	2297.602	2088645.467	6023849.185	0	RS-700	0.94089515723
17013	-122.359	37.716	2210.124	2088647.125	6023846.382	0	RS-700	0.39071886793
17014	-122.359	37.716	2220.908	2088648.459	6023843.429	0	RS-700	0.45853893082
17015	-122.360	37.716	2252.804	2088649.641	6023840.733	0	RS-700	0.65914264151
17016	-122.360	37.716	2142.116	2088650.532	6023838.060	0	RS-700	-0.03700421384
17017	-122.360	37.716	2091.062	2088651.457	6023835.504	0	RS-700	-0.35810238994
17018	-122.360	37.716	2113.865	2088652.454	6023832.949	0	RS-700	-0.21468654088
17019	-122.360	37.716	2084.657	2088653.526	6023830.366	0	RS-700	-0.39838584906
17020	-122.360	37.716	2090.640	2088654.669	6023827.785	0	RS-700	-0.36075245283
17021	-122.360	37.716	2201.569	2088655.961	6023825.091	0	RS-700	0.33691490566
17022	-122.360	37.716	2185.807	2088657.327	6023822.312	0	RS-700	0.23777924528
17023	-122.360	37.716	2157.531	2088658.805	6023819.449	0	RS-700	0.05994616352
17024	-122.360	37.716	2231.687	2088660.350	6023816.818	0	RS-700	0.52633628931
17025	-122.360	37.716	2180.899	2088662.222	6023814.251	0	RS-700	0.20691012579
17026	-122.360	37.716	2055.947	2088664.273	6023811.833	0	RS-700	-0.57895163522
17027	-122.360	37.716	2158.998	2088666.286	6023809.529	0	RS-700	0.06916918239
17028	-122.360	37.716	2218.922	2088668.375	6023806.996	0	RS-700	0.44605339623
17029	-122.360	37.716	2472.899	2088669.914	6023804.712	0	RS-700	2.04338905660
17030	-122.360	37.716	2689.091	2088671.271	6023802.425	0	RS-700	1.44601425220
17031	-122.360	37.716	2228.784	2088672.480	6023800.221	0	RS-700	0.09614190616
17032	-122.360	37.716	1671.434	2088673.535	6023798.448	0	RS-700	-1.53831563050
17033	-122.360	37.716	2120.638	2088674.861	6023795.842	0	RS-700	-0.22100436950
17034	-122.360	37.716	2701.973	2088676.192	6023793.004	0	RS-700	1.48379038123
17035	-122.360	37.716	2323.070	2088678.180	6023790.122	0	RS-700	0.37263815249
17036	-122.360	37.716	2198.690	2088679.835	6023787.464	0	RS-700	0.00788750733
17037	-122.360	37.716	2192.790	2088681.744	6023784.869	0	RS-700	0.28169566038
17038	-122.360	37.716	2205.792	2088683.797	6023782.364	0	RS-700	0.36347459120
17039	-122.360	37.716	2253.051	2088685.631	6023779.855	0	RS-700	0.66070031447
17040	-122.360	37.716	2215.577	2088687.359	6023777.199	0	RS-700	0.42501559748
17041	-122.360	37.716	2161.993	2088689.088	6023774.485	0	RS-700	0.08800528302
17042	-122.360	37.716	2180.003	2088691.252	6023771.895	0	RS-700	0.20127660377
17043	-122.360	37.716	2240.019	2088693.230	6023769.504	0	RS-700	0.57873849057
17044	-122.360	37.716	2195.447	2088695.209	6023767.027	0	RS-700	0.29841031447
17045	-122.360	37.716	2188.002	2088697.369	6023764.639	0	RS-700	0.25158176101
17046	-122.360	37.716	2147.653	2088699.747	6023762.285	0	RS-700	-0.00218207547
17047	-122.360	37.717	2161.344	2088702.125	6023759.873	0	RS-700	0.08392641509
17048	-122.360	37.717	2107.862	2088704.396	6023757.431	0	RS-700	-0.25244037736
17049	-122.360	37.717	2181.117	2088706.379	6023754.750	0	RS-700	0.20828496855
17050	-122.360	37.717	2165.913	2088708.000	6023752.005	0	RS-700	0.11265911950
17051	-122.360	37.717	2142.662	2088709.692	6023749.320	0	RS-700	-0.03357169811
17052	-122.360	37.717	2077.953	2088711.531	6023746.550	0	RS-700	-0.44054849057
17053	-122.360	37.717	2179.797	2088713.372	6023743.751	0	RS-700	0.19998044025
17054	-122.360	37.717	2112.759	2088715.134	6023741.211	0	RS-700	-0.22163930818

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17055	-122.360	37.717	2075.639	2088717.005	6023738.674	0	RS-700	-0.45510157233
17056	-122.360	37.717	2162.993	2088719.024	6023736.023	0	RS-700	0.09429440252
17057	-122.360	37.717	2113.182	2088721.082	6023733.287	0	RS-700	-0.21898176101
17058	-122.360	37.717	2154.430	2088723.134	6023730.811	0	RS-700	0.04043943396
17059	-122.360	37.717	2235.689	2088725.364	6023728.541	0	RS-700	0.55150603774
17060	-122.360	37.717	2137.553	2088727.921	6023726.335	0	RS-700	-0.06570138365
17061	-122.360	37.717	2207.894	2088730.220	6023724.269	0	RS-700	0.37669245283
17062	-122.360	37.717	2087.957	2088732.554	6023722.261	0	RS-700	-0.37762635220
17063	-122.360	37.717	2168.016	2088734.889	6023720.253	0	RS-700	0.12588672956
17064	-122.360	37.717	2218.238	2088737.187	6023718.216	0	RS-700	0.44174911950
17065	-122.360	37.717	2130.445	2088739.671	6023716.038	0	RS-700	-0.11040899371
17066	-122.360	37.717	2139.773	2088742.114	6023714.032	0	RS-700	-0.05174371069
17067	-122.360	37.717	2152.096	2088744.700	6023712.174	0	RS-700	0.02576345912
17068	-122.360	37.717	2194.787	2088747.214	6023710.315	0	RS-700	0.29425924528
17069	-122.360	37.717	2208.014	2088749.545	6023708.452	0	RS-700	0.37744955975
17070	-122.360	37.717	2032.414	2088751.659	6023706.555	0	RS-700	-0.72695805031
17071	-122.360	37.717	2029.001	2088753.743	6023704.311	0	RS-700	-0.74842276730
17072	-122.360	37.717	1998.807	2088755.611	6023701.947	0	RS-700	-0.93831886793
17073	-122.360	37.717	2089.754	2088757.022	6023698.735	0	RS-700	-0.36632459120
17074	-122.360	37.717	2196.783	2088758.105	6023695.545	0	RS-700	0.30681270440
17075	-122.360	37.717	2149.664	2088759.293	6023692.618	0	RS-700	0.01046515723
17076	-122.360	37.717	2127.440	2088760.370	6023689.688	0	RS-700	-0.12931088050
17077	-122.360	37.717	2093.754	2088761.414	6023686.671	0	RS-700	-0.34117257862
17078	-122.360	37.717	2096.972	2088762.454	6023683.799	0	RS-700	-0.32092899371
17079	-122.360	37.717	2124.855	2088763.752	6023680.787	0	RS-700	-0.14556817610
17080	-122.360	37.717	2169.664	2088765.121	6023677.892	0	RS-700	0.13625301887
17081	-122.360	37.717	2160.101	2088766.706	6023675.089	0	RS-700	0.07610389937
17082	-122.360	37.717	2071.161	2088767.962	6023672.394	0	RS-700	-0.48326610063
17083	-122.360	37.717	2112.961	2088769.367	6023669.471	0	RS-700	-0.22036811321
17084	-122.360	37.717	2158.099	2088770.885	6023666.406	0	RS-700	0.06351440252
17085	-122.360	37.717	2202.452	2088772.366	6023663.340	0	RS-700	0.34246528302
17086	-122.360	37.717	2145.990	2088773.702	6023660.242	0	RS-700	-0.01264289308
17087	-122.360	37.717	2010.519	2088775.185	6023657.118	0	RS-700	-0.86465836478
17088	-122.360	37.717	2085.285	2088776.882	6023654.201	0	RS-700	-0.39443584906
17089	-122.360	37.717	2111.187	2088778.683	6023651.517	0	RS-700	-0.23153018868
17090	-122.360	37.717	2235.029	2088780.666	6023648.895	0	RS-700	0.54735471698
17091	-122.360	37.717	2245.500	2088782.937	6023646.394	0	RS-700	0.61320553459
17092	-122.360	37.717	2169.102	2088785.462	6023643.927	0	RS-700	0.13271672956
17093	-122.360	37.717	2199.219	2088787.839	6023641.602	0	RS-700	0.32213408805
17094	-122.360	37.717	2228.134	2088790.113	6023638.986	0	RS-700	0.50398905660
17095	-122.360	37.717	2209.795	2088792.244	6023636.222	0	RS-700	0.38864597484
17096	-122.360	37.717	2202.574	2088794.375	6023633.458	0	RS-700	0.34323245283
17097	-122.360	37.717	2164.885	2088796.397	6023630.634	0	RS-700	0.10619597484
17098	-122.360	37.717	2119.656	2088798.424	6023627.608	0	RS-700	-0.17826666667
17099	-122.360	37.717	2111.179	2088800.334	6023624.955	0	RS-700	-0.23157566038

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17100	-122.360	37.717	2242.138	2088802.278	6023622.448	0	RS-700	0.59206125786
17101	-122.360	37.717	2127.871	2088804.404	6023619.944	0	RS-700	-0.12659528302
17102	-122.360	37.717	2145.091	2088806.567	6023617.384	0	RS-700	-0.01829421384
17103	-122.360	37.717	2107.541	2088808.655	6023614.937	0	RS-700	-0.25445993711
17104	-122.360	37.717	2210.456	2088810.598	6023612.459	0	RS-700	0.39280333333
17105	-122.360	37.717	2156.405	2088812.540	6023610.009	0	RS-700	0.05286327044
17106	-122.360	37.717	2170.209	2088814.518	6023607.618	0	RS-700	0.13967987421
17107	-122.360	37.717	2168.892	2088816.533	6023605.199	0	RS-700	0.13139509434
17108	-122.360	37.717	2137.444	2088818.657	6023602.783	0	RS-700	-0.06638685535
17109	-122.360	37.717	2175.783	2088820.819	6023600.251	0	RS-700	0.17473547170
17110	-122.360	37.717	2134.188	2088823.017	6023597.806	0	RS-700	-0.08686905660
17111	-122.360	37.717	2206.013	2088825.178	6023595.361	0	RS-700	0.36485924528
17112	-122.360	37.717	2194.010	2088827.194	6023592.884	0	RS-700	0.28936855346
17113	-122.360	37.717	2098.174	2088828.963	6023589.969	0	RS-700	-0.31337327044
17114	-122.360	37.717	2179.453	2088830.587	6023587.050	0	RS-700	0.19781735849
17115	-122.360	37.717	2198.225	2088831.991	6023584.243	0	RS-700	0.31588314465
17116	-122.360	37.717	2205.791	2088833.538	6023581.496	0	RS-700	0.36346578616
17117	-122.360	37.717	2168.203	2088835.122	6023578.779	0	RS-700	0.12706169811
17118	-122.360	37.717	2234.909	2088836.489	6023575.971	0	RS-700	0.54659805031
17119	-122.360	37.717	2243.580	2088837.569	6023572.926	0	RS-700	0.60113069182
17120	-122.360	37.717	2245.916	2088838.470	6023569.762	0	RS-700	0.61582415094
17121	-122.360	37.717	2178.760	2088839.153	6023566.535	0	RS-700	0.19345861635
17122	-122.360	37.717	2090.746	2088839.799	6023563.337	0	RS-700	-0.36008792453
17123	-122.360	37.717	2098.851	2088840.773	6023560.145	0	RS-700	-0.30911333333
17124	-122.360	37.717	2324.296	2088842.036	6023557.074	0	RS-700	1.10878157233
17125	-122.361	37.717	2290.401	2088843.289	6023554.524	0	RS-700	0.89560333333
17126	-122.361	37.717	2069.741	2088844.684	6023552.122	0	RS-700	-0.49219276730
17127	-122.361	37.717	2074.220	2088846.406	6023549.755	0	RS-700	-0.46402452830
17128	-122.361	37.717	2070.159	2088848.384	6023547.364	0	RS-700	-0.48956886793
17129	-122.361	37.717	2163.670	2088850.764	6023544.866	0	RS-700	0.09855238994
17130	-122.361	37.717	2158.987	2088853.215	6023542.513	0	RS-700	0.06910037736
17131	-122.361	37.717	2300.421	2088855.553	6023540.332	0	RS-700	0.95862031447
17132	-122.361	37.717	2109.864	2088857.893	6023538.035	0	RS-700	-0.23984962264
17133	-122.361	37.717	2214.465	2088859.911	6023535.443	0	RS-700	0.41801880503
17134	-122.361	37.717	1975.669	2088861.716	6023532.585	0	RS-700	-1.08384320755
17135	-122.361	37.717	2319.299	2088863.596	6023529.585	0	RS-700	1.07735000000
17136	-122.361	37.717	2100.947	2088865.581	6023526.847	0	RS-700	-0.29593245283
17137	-122.361	37.717	2183.777	2088867.600	6023524.226	0	RS-700	0.22501415094
17138	-122.361	37.717	2161.890	2088869.649	6023521.894	0	RS-700	0.08735955975
17139	-122.361	37.717	2213.915	2088871.770	6023519.622	0	RS-700	0.41455742138
17140	-122.361	37.717	2157.103	2088873.812	6023517.666	0	RS-700	0.05724855346
17141	-122.361	37.717	2096.649	2088875.487	6023515.848	0	RS-700	-0.32296000000
17142	-122.361	37.717	2151.566	2088877.685	6023513.404	0	RS-700	0.02242666667
17143	-122.361	37.717	2340.597	2088879.297	6023511.064	0	RS-700	1.21130220126
17144	-122.361	37.717	2271.382	2088881.271	6023508.875	0	RS-700	0.77598477987

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17145	-122.361	37.717	2352.963	2088882.815	6023506.302	0	RS-700	1.28907817610
17146	-122.361	37.717	2318.706	2088884.504	6023503.790	0	RS-700	1.07362553459
17147	-122.361	37.717	2161.342	2088886.267	6023501.192	0	RS-700	0.08391132075
17148	-122.361	37.717	2397.102	2088888.033	6023498.479	0	RS-700	1.56667798742
17149	-122.361	37.717	2438.121	2088889.905	6023495.912	0	RS-700	1.82465723270
17150	-122.361	37.717	2316.178	2088891.816	6023493.231	0	RS-700	1.05772496855
17151	-122.361	37.717	2370.091	2088893.873	6023490.495	0	RS-700	1.39680100629
17152	-122.361	37.717	2329.952	2088895.928	6023487.903	0	RS-700	1.14435163522
17153	-122.361	37.717	2278.049	2088897.911	6023485.223	0	RS-700	0.81791786164
17154	-122.361	37.717	2322.094	2088900.041	6023482.517	0	RS-700	1.09492805031
17155	-122.361	37.717	2319.180	2088901.988	6023479.836	0	RS-700	1.07660383648
17156	-122.361	37.717	2316.603	2088903.935	6023477.155	0	RS-700	1.06039534591
17157	-122.361	37.717	2233.034	2088905.695	6023474.731	0	RS-700	0.53480547170
17158	-122.361	37.717	2181.670	2088907.820	6023472.256	0	RS-700	0.21176226415
17159	-122.361	37.717	2239.363	2088909.798	6023469.866	0	RS-700	0.57461150943
17160	-122.361	37.717	2410.002	2088911.738	6023467.532	0	RS-700	1.64781144654
17161	-122.361	37.717	2354.087	2088913.716	6023465.112	0	RS-700	1.29614213836
17162	-122.361	37.717	2336.608	2088915.589	6023462.517	0	RS-700	1.18621220126
17163	-122.361	37.717	2218.817	2088917.355	6023459.775	0	RS-700	0.44539188679
17164	-122.361	37.717	2309.828	2088919.048	6023457.031	0	RS-700	1.01778779874
17165	-122.361	37.717	2398.982	2088921.064	6023454.583	0	RS-700	1.57850459119
17166	-122.361	37.717	2359.611	2088923.291	6023452.486	0	RS-700	1.33088867925
17167	-122.361	37.717	2270.879	2088925.732	6023450.568	0	RS-700	0.77282283019
17168	-122.361	37.717	2341.071	2088928.249	6023448.564	0	RS-700	1.21428597484
17169	-122.361	37.717	2345.306	2088930.616	6023446.730	0	RS-700	1.24091685535
17170	-122.361	37.717	2206.902	2088933.131	6023444.784	0	RS-700	0.37045358491
17171	-122.361	37.717	2283.044	2088935.577	6023442.663	0	RS-700	0.84933591195
17172	-122.361	37.717	2239.139	2088937.732	6023440.536	0	RS-700	0.57320327044
17173	-122.361	37.717	2266.928	2088939.848	6023438.524	0	RS-700	0.74797446541
17174	-122.361	37.717	2261.901	2088941.746	6023436.450	0	RS-700	0.71636018868
17175	-122.361	37.717	2307.069	2088943.540	6023434.142	0	RS-700	1.00043220126
17176	-122.361	37.717	2224.355	2088945.197	6023431.398	0	RS-700	0.48022056604
17177	-122.361	37.717	2328.607	2088946.779	6023428.797	0	RS-700	1.13589415094
17178	-122.361	37.717	2281.931	2088948.467	6023426.284	0	RS-700	0.84233251572
17179	-122.361	37.717	2020.631	2088949.934	6023423.970	0	RS-700	-0.80106050315
17180	-122.361	37.717	2171.887	2088951.509	6023421.687	0	RS-700	0.15023515723
17181	-122.361	37.717	2246.040	2088953.264	6023419.494	0	RS-700	0.61660377359
17182	-122.361	37.717	2139.657	2088954.796	6023417.529	0	RS-700	-0.05247157233
17183	-122.361	37.717	1530.319	2088956.215	6023415.792	0	RS-700	-3.88478553459
17184	-122.361	37.717	1271.443	2088957.853	6023413.973	0	RS-700	-5.51293459119
17185	-122.361	37.717	1731.409	2088959.528	6023412.155	0	RS-700	-2.62006754717
17186	-122.361	37.717	2243.581	2088961.791	6023410.088	0	RS-700	0.60113647799
17187	-122.361	37.717	2223.260	2088963.883	6023407.439	0	RS-700	0.47333106918
17188	-122.361	37.717	2314.610	2088965.573	6023404.869	0	RS-700	1.04785911950
17189	-122.361	37.717	2332.493	2088967.335	6023402.358	0	RS-700	1.16033553459

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17190	-122.361	37.717	2219.684	2088969.241	6023399.879	0	RS-700	0.45084044025
17191	-122.361	37.717	2237.253	2088971.037	6023397.514	0	RS-700	0.56133666667
17192	-122.361	37.717	2249.687	2088972.871	6023395.004	0	RS-700	0.63953805031
17193	-122.361	37.717	2207.682	2088974.852	6023392.469	0	RS-700	0.37535867925
17194	-122.361	37.717	2273.278	2088976.831	6023389.991	0	RS-700	0.78791314465
17195	-122.361	37.717	2218.686	2088978.882	6023387.602	0	RS-700	0.44456805031
17196	-122.361	37.717	2284.590	2088981.076	6023385.302	0	RS-700	0.85905742138
17197	-122.361	37.717	2334.840	2088983.164	6023382.885	0	RS-700	1.17509421384
17198	-122.361	37.717	2343.442	2088985.141	6023380.494	0	RS-700	1.22919207547
17199	-122.361	37.717	2303.845	2088986.934	6023378.273	0	RS-700	0.98015433962
17200	-122.361	37.717	2329.601	2088988.843	6023375.678	0	RS-700	1.14214704403
17201	-122.361	37.717	2217.451	2088990.681	6023372.995	0	RS-700	0.43679647799
17202	-122.361	37.717	2332.073	2088992.520	6023370.226	0	RS-700	1.15769320755
17203	-122.361	37.717	2195.889	2088994.174	6023367.626	0	RS-700	0.30119163522
17204	-122.361	37.717	2192.461	2088996.008	6023365.145	0	RS-700	0.27962616352
17205	-122.361	37.717	2193.123	2088998.026	6023362.582	0	RS-700	0.28379226415
17206	-122.361	37.717	2214.007	2088999.825	6023360.014	0	RS-700	0.41513955975
17207	-122.361	37.717	2204.813	2089001.300	6023357.266	0	RS-700	0.35731729560
17208	-122.361	37.717	2403.344	2089002.665	6023354.545	0	RS-700	1.60593641509
17209	-122.361	37.717	2256.374	2089004.246	6023351.972	0	RS-700	0.68159716981
17210	-122.361	37.717	2274.587	2089005.860	6023349.574	0	RS-700	0.79614584906
17211	-122.361	37.717	2313.295	2089007.437	6023347.176	0	RS-700	1.03959245283
17212	-122.361	37.717	2201.457	2089009.125	6023344.692	0	RS-700	0.33620792453
17213	-122.361	37.717	2132.335	2089011.101	6023342.388	0	RS-700	-0.09852452830
17214	-122.361	37.717	2002.653	2089013.148	6023340.172	0	RS-700	-0.91413251572
17215	-122.361	37.717	2170.556	2089015.085	6023338.012	0	RS-700	0.14186452830
17216	-122.361	37.717	2261.694	2089017.133	6023335.738	0	RS-700	0.71505748428
17217	-122.361	37.717	2167.561	2089019.327	6023333.497	0	RS-700	0.12302547170
17218	-122.361	37.717	2147.564	2089021.558	6023331.169	0	RS-700	-0.00274245283
17219	-122.361	37.717	2249.582	2089023.571	6023328.865	0	RS-700	0.63888132076
17220	-122.361	37.717	2174.668	2089025.691	6023326.651	0	RS-700	0.16772415094
17221	-122.361	37.717	2187.789	2089027.809	6023324.523	0	RS-700	0.25024547170
17222	-122.361	37.717	2139.883	2089029.780	6023322.451	0	RS-700	-0.05105245283
17223	-122.361	37.717	2176.573	2089031.791	6023320.234	0	RS-700	0.17970572327
17224	-122.361	37.717	2178.037	2089033.914	6023317.875	0	RS-700	0.18891201258
17225	-122.361	37.717	2236.161	2089036.036	6023315.545	0	RS-700	0.55447452830
17226	-122.361	37.717	2092.947	2089038.197	6023313.100	0	RS-700	-0.34624698113
17227	-122.361	37.717	2226.022	2089040.394	6023310.656	0	RS-700	0.49070578616
17228	-122.361	37.717	2191.218	2089042.553	6023308.297	0	RS-700	0.27181345912
17229	-122.361	37.717	2156.891	2089044.746	6023306.085	0	RS-700	0.05591805031
17230	-122.361	37.717	2143.980	2089047.048	6023303.874	0	RS-700	-0.02528496855
17231	-122.361	37.717	2201.792	2089049.096	6023301.600	0	RS-700	0.33831679245
17232	-122.361	37.717	2168.319	2089050.931	6023299.062	0	RS-700	0.12779276730
17233	-122.361	37.717	2213.019	2089052.695	6023296.464	0	RS-700	0.40892377359
17234	-122.361	37.717	2238.467	2089054.091	6023294.033	0	RS-700	0.56897383648

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17235	-122.361	37.717	2319.640	2089055.272	6023291.395	0	RS-700	1.07949452830
17236	-122.361	37.717	2271.698	2089056.132	6023288.432	0	RS-700	0.77797767296
17237	-122.361	37.717	2161.765	2089056.842	6023285.727	0	RS-700	0.08657075472
17238	-122.361	37.717	2230.346	2089057.804	6023283.142	0	RS-700	0.51790031447
17239	-122.361	37.717	1931.575	2089059.350	6023280.482	0	RS-700	-1.36116610063
17240	-122.361	37.717	2216.463	2089061.183	6023278.031	0	RS-700	0.43058446541
17241	-122.361	37.717	2238.267	2089062.826	6023276.010	0	RS-700	0.56771471698
17242	-122.361	37.717	2123.550	2089064.168	6023274.416	0	RS-700	-0.15377496855
17243	-122.361	37.717	1528.406	2089065.584	6023272.824	0	RS-700	-3.89681559748
17244	-122.362	37.717	1229.432	2089067.110	6023271.177	0	RS-700	-5.77715748428
17245	-122.362	37.717	1684.523	2089068.971	6023269.160	0	RS-700	-2.91495075472
17246	-122.362	37.717	2240.456	2089071.054	6023266.973	0	RS-700	0.58148547170
17247	-122.362	37.717	2181.215	2089072.954	6023264.841	0	RS-700	0.20889924528
17248	-122.362	37.717	2244.139	2089074.811	6023262.998	0	RS-700	0.60464911950
17249	-122.362	37.718	2254.597	2089076.669	6023261.154	0	RS-700	0.67042100629
17250	-122.362	37.718	2276.930	2089078.672	6023259.314	0	RS-700	0.81088012579
17251	-122.362	37.718	2211.566	2089080.497	6023257.296	0	RS-700	0.39978566038
17252	-122.362	37.718	2280.593	2089082.067	6023255.273	0	RS-700	0.83391528302
17253	-122.362	37.718	2228.361	2089083.494	6023253.103	0	RS-700	0.50541566038
17254	-122.362	37.718	2283.925	2089084.705	6023250.784	0	RS-700	0.85487320755
17255	-122.362	37.718	2269.275	2089085.996	6023248.148	0	RS-700	0.76273867925
17256	-122.362	37.718	2194.008	2089087.248	6023245.627	0	RS-700	0.28935937107
17257	-122.362	37.718	2339.426	2089088.539	6023242.962	0	RS-700	1.20393610063
17258	-122.362	37.718	2420.989	2089089.830	6023240.326	0	RS-700	1.71691320755
17259	-122.362	37.718	2516.280	2089090.782	6023238.233	0	RS-700	0.93923609971
17260	-122.362	37.718	2780.692	2089091.953	6023236.145	0	RS-700	1.71463991202
17261	-122.362	37.718	2459.497	2089093.227	6023234.347	0	RS-700	0.77271879765
17262	-122.362	37.718	1996.721	2089094.238	6023232.950	0	RS-700	-0.58439601173
17263	-122.362	37.718	1726.883	2089095.365	6023231.207	0	RS-700	-1.37571008798
17264	-122.362	37.718	2438.233	2089096.354	6023229.115	0	RS-700	0.71036011730
17265	-122.362	37.718	2652.485	2089098.010	6023226.400	0	RS-700	1.33866692082
17266	-122.362	37.718	2252.145	2089099.343	6023223.447	0	RS-700	0.16464733138
17267	-122.362	37.718	1992.831	2089100.997	6023220.876	0	RS-700	-0.59580272727
17268	-122.362	37.718	2339.366	2089102.650	6023218.334	0	RS-700	1.20355855346
17269	-122.362	37.718	2382.452	2089104.124	6023215.644	0	RS-700	1.47454314465
17270	-122.362	37.718	2249.164	2089105.744	6023212.899	0	RS-700	0.63624924528
17271	-122.362	37.718	2403.821	2089107.729	6023210.161	0	RS-700	1.60894012579
17272	-122.362	37.718	2357.093	2089109.709	6023207.654	0	RS-700	1.31505106918
17273	-122.362	37.718	2323.300	2089111.871	6023205.152	0	RS-700	1.10251685535
17274	-122.362	37.718	2264.926	2089113.885	6023202.790	0	RS-700	0.73538559748
17275	-122.362	37.718	2315.180	2089116.118	6023200.376	0	RS-700	1.05144389937
17276	-122.362	37.718	2264.263	2089118.350	6023198.048	0	RS-700	0.73121144654
17277	-122.362	37.718	2314.044	2089120.435	6023195.717	0	RS-700	1.04429993711
17278	-122.362	37.718	2298.156	2089122.560	6023193.271	0	RS-700	0.94437723270
17279	-122.362	37.718	2321.302	2089124.723	6023190.711	0	RS-700	1.08994811321

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17280	-122.362	37.718	2279.704	2089126.637	6023187.856	0	RS-700	0.82832471698
17281	-122.362	37.718	2432.997	2089128.403	6023185.143	0	RS-700	1.79243477987
17282	-122.362	37.718	2422.222	2089130.131	6023182.486	0	RS-700	1.72466465409
17283	-122.362	37.718	2340.074	2089131.713	6023179.885	0	RS-700	1.20801025157
17284	-122.362	37.718	2441.385	2089133.218	6023177.427	0	RS-700	1.84518867925
17285	-122.362	37.718	2351.552	2089134.723	6023175.027	0	RS-700	1.28019830189
17286	-122.362	37.718	2222.921	2089136.004	6023172.883	0	RS-700	0.47120320755
17287	-122.362	37.718	2385.619	2089137.470	6023170.569	0	RS-700	1.49445641509
17288	-122.362	37.718	2319.483	2089138.976	6023168.111	0	RS-700	1.07850691824
17289	-122.362	37.718	2369.609	2089140.552	6023165.770	0	RS-700	1.39376874214
17290	-122.362	37.718	2438.634	2089142.202	6023163.372	0	RS-700	1.82788446541
17291	-122.362	37.718	2492.399	2089143.494	6023160.650	0	RS-700	2.16602830189
17292	-122.362	37.718	2445.849	2089144.281	6023157.743	0	RS-700	1.87326125786
17293	-122.362	37.718	2402.864	2089144.818	6023154.514	0	RS-700	1.60291886792
17294	-122.362	37.718	2356.970	2089145.466	6023151.229	0	RS-700	1.31427402516
17295	-122.362	37.718	2323.765	2089146.398	6023148.354	0	RS-700	1.10544182390
17296	-122.362	37.718	2341.070	2089147.621	6023145.457	0	RS-700	1.21427603774
17297	-122.362	37.718	2346.519	2089149.169	6023142.710	0	RS-700	1.24854672956
17298	-122.362	37.718	2343.843	2089150.971	6023139.998	0	RS-700	1.23171522013
17299	-122.362	37.718	2276.040	2089152.877	6023137.548	0	RS-700	0.80528232704
17300	-122.362	37.718	2344.953	2089155.145	6023135.192	0	RS-700	1.23870100629
17301	-122.362	37.718	2313.931	2089157.592	6023133.013	0	RS-700	1.04359333333
17302	-122.362	37.718	2290.170	2089160.181	6023131.010	0	RS-700	0.89414798742
17303	-122.362	37.718	2156.122	2089163.063	6023128.955	0	RS-700	0.05108006289
17304	-122.362	37.718	2272.592	2089165.832	6023127.072	0	RS-700	0.78359779874
17305	-122.362	37.718	2409.747	2089167.822	6023125.897	0	RS-700	1.64620849057
17306	-122.362	37.718	2314.714	2089168.854	6023125.252	0	RS-700	1.04851849057
17307	-122.362	37.718	2290.937	2089170.259	6023124.209	0	RS-700	0.89897320755
17308	-122.362	37.718	2323.942	2089171.927	6023122.738	0	RS-700	1.10655081761
17309	-122.362	37.718	2399.987	2089173.458	6023120.859	0	RS-700	1.58482238994
17310	-122.362	37.718	2479.894	2089175.035	6023118.490	0	RS-700	2.08738339623
17311	-122.362	37.718	2416.346	2089176.835	6023115.835	0	RS-700	1.68770867925
17312	-122.362	37.718	2472.497	2089178.447	6023113.524	0	RS-700	2.04086364780
17313	-122.362	37.718	2523.650	2089180.245	6023111.042	0	RS-700	2.36257710692
17314	-122.362	37.718	2358.964	2089182.078	6023108.620	0	RS-700	1.32682031447
17315	-122.362	37.718	2436.729	2089184.129	6023106.173	0	RS-700	1.81590716981
17316	-122.362	37.718	2330.955	2089186.622	6023103.532	0	RS-700	1.15065962264
17317	-122.362	37.718	2351.611	2089188.458	6023100.936	0	RS-700	1.28057377358
17318	-122.362	37.718	2442.367	2089190.624	6023098.259	0	RS-700	1.85136578616
17319	-122.362	37.718	2373.729	2089192.607	6023095.608	0	RS-700	1.41968012579
17320	-122.362	37.718	2506.011	2089194.478	6023093.071	0	RS-700	2.25163974843
17321	-122.362	37.718	2446.243	2089196.314	6023090.475	0	RS-700	1.87574427673
17322	-122.362	37.718	2494.403	2089198.188	6023087.822	0	RS-700	2.17863660377
17323	-122.362	37.718	2580.314	2089199.773	6023085.047	0	RS-700	2.71895748428
17324	-122.362	37.718	2364.971	2089201.323	6023082.185	0	RS-700	1.36459440252



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17325	-122.362	37.718	2519.786	2089203.056	6023079.268	0	RS-700	2.33827477987
17326	-122.362	37.718	2489.267	2089204.965	6023076.674	0	RS-700	2.14633132075
17327	-122.362	37.718	2550.766	2089207.091	6023074.170	0	RS-700	2.53311987421
17328	-122.362	37.718	2539.287	2089209.221	6023071.435	0	RS-700	2.46092647799
17329	-122.362	37.718	2468.396	2089211.204	6023068.813	0	RS-700	2.01506679245
17330	-122.362	37.718	2496.520	2089213.000	6023066.390	0	RS-700	2.19195125786
17331	-122.362	37.718	2394.858	2089214.543	6023063.875	0	RS-700	1.55256402516
17332	-122.362	37.718	2401.817	2089216.235	6023061.218	0	RS-700	1.59633157233
17333	-122.362	37.718	2390.225	2089217.742	6023058.702	0	RS-700	1.52343018868
17334	-122.362	37.718	2262.263	2089219.399	6023055.958	0	RS-700	0.71863264151
17335	-122.362	37.718	2298.417	2089221.131	6023053.128	0	RS-700	0.94601918239
17336	-122.362	37.718	2321.482	2089222.899	6023050.270	0	RS-700	1.09108408805
17337	-122.362	37.718	2320.592	2089224.776	6023047.443	0	RS-700	1.08548522013
17338	-122.362	37.718	2308.173	2089226.577	6023044.789	0	RS-700	1.00737792453
17339	-122.362	37.718	2298.517	2089228.379	6023042.076	0	RS-700	0.94665088050
17340	-122.362	37.718	2331.962	2089230.180	6023039.422	0	RS-700	1.15699484277
17341	-122.362	37.718	2311.056	2089231.907	6023036.823	0	RS-700	1.02550729560
17342	-122.362	37.718	2341.957	2089233.418	6023034.134	0	RS-700	1.21985811321
17343	-122.362	37.718	2223.239	2089234.749	6023031.296	0	RS-700	0.47320000000
17344	-122.362	37.718	2309.079	2089236.084	6023028.256	0	RS-700	1.01307289308
17345	-122.362	37.718	2298.724	2089237.491	6023025.247	0	RS-700	0.94794679245
17346	-122.362	37.718	2260.510	2089238.861	6023022.294	0	RS-700	0.70760691824
17347	-122.362	37.718	2353.848	2089240.121	6023019.368	0	RS-700	1.29464421384
17348	-122.362	37.718	2383.749	2089241.599	6023016.476	0	RS-700	1.48269666667
17349	-122.362	37.718	2271.703	2089243.000	6023013.784	0	RS-700	0.77800320755
17350	-122.362	37.718	2392.858	2089244.327	6023011.149	0	RS-700	1.53998440252
17351	-122.362	37.718	2268.929	2089246.029	6023008.001	0	RS-700	0.76055698113
17352	-122.362	37.718	2328.280	2089247.876	6023004.855	0	RS-700	1.13383465409
17353	-122.362	37.718	2336.205	2089249.645	6023001.969	0	RS-700	1.18368069182
17354	-122.362	37.718	2357.336	2089251.306	6022999.022	0	RS-700	1.31657591195
17355	-122.362	37.718	2279.052	2089253.074	6022996.193	0	RS-700	0.82422509434
17356	-122.362	37.718	2366.443	2089254.876	6022993.509	0	RS-700	1.37385547170
17357	-122.362	37.718	2377.176	2089256.678	6022990.797	0	RS-700	1.44135660377
17358	-122.362	37.718	2419.385	2089258.375	6022987.880	0	RS-700	1.70682251572
17359	-122.363	37.718	2402.106	2089260.000	6022984.903	0	RS-700	1.59815402516
17360	-122.363	37.718	2334.602	2089261.296	6022982.007	0	RS-700	1.17359559748
17361	-122.363	37.718	2409.746	2089262.408	6022979.194	0	RS-700	1.64620044025
17362	-122.363	37.718	2387.492	2089263.743	6022976.183	0	RS-700	1.50623849057
17363	-122.363	37.718	2380.100	2089265.221	6022973.291	0	RS-700	1.45974949686
17364	-122.363	37.718	2353.608	2089267.166	6022970.697	0	RS-700	1.29313094340
17365	-122.363	37.718	2414.108	2089268.888	6022968.359	0	RS-700	1.67363301887
17366	-122.363	37.718	2334.433	2089270.611	6022965.963	0	RS-700	1.17253314465
17367	-122.363	37.718	2449.237	2089272.301	6022963.393	0	RS-700	1.89457000000
17368	-122.363	37.718	2332.955	2089273.954	6022960.822	0	RS-700	1.16323716981
17369	-122.363	37.718	2378.437	2089275.464	6022958.191	0	RS-700	1.44928761006

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17370	-122.363	37.718	2357.842	2089276.430	6022955.375	0	RS-700	1.31976088050
17371	-122.363	37.718	2393.575	2089277.689	6022952.507	0	RS-700	1.54449880503
17372	-122.363	37.718	2476.261	2089278.609	6022950.211	0	RS-700	2.06453754717
17373	-122.363	37.718	2464.244	2089278.960	6022949.031	0	RS-700	1.98895698113
17374	-122.363	37.718	2395.979	2089278.922	6022949.089	0	RS-700	1.55961345912
17375	-122.363	37.718	2362.327	2089278.594	6022949.140	0	RS-700	1.34796779874
17376	-122.363	37.718	2442.843	2089279.076	6022948.687	0	RS-700	1.85436119497
17377	-122.363	37.718	2353.209	2089279.077	6022948.658	0	RS-700	1.29062264151
17378	-122.363	37.718	2353.715	2089279.114	6022948.630	0	RS-700	1.29380779874
17379	0.000	0.000	0.000	2089281.764	6022936.419	8052	GWS	0.36187113857
17380	0.000	0.000	0.000	2089281.628	6022936.769	7293	GWS	-0.30803177405
17381	0.000	0.000	0.000	2089280.922	6022936.909	8363	GWS	0.63636363636
17382	0.000	0.000	0.000	2089281.018	6022937.144	9020	GWS	1.21624007061
17383	0.000	0.000	0.000	2089281.037	6022936.861	8495	GWS	0.75286849073
17384	0.000	0.000	0.000	2089280.137	6022938.403	8603	GWS	0.84819064431
17385	0.000	0.000	0.000	2089278.833	6022939.454	8541	GWS	0.79346866726
17386	0.000	0.000	0.000	2089277.396	6022941.256	8405	GWS	0.67343336275
17387	0.000	0.000	0.000	2089276.650	6022943.329	8251	GWS	0.53751103266
17388	0.000	0.000	0.000	2089275.116	6022944.301	7852	GWS	0.18534863195
17389	0.000	0.000	0.000	2089274.035	6022946.106	7783	GWS	0.12444836717
17390	0.000	0.000	0.000	2089272.632	6022947.492	7406	GWS	-0.20829655781
17391	0.000	0.000	0.000	2089271.910	6022949.258	7821	GWS	0.15798764343
17392	0.000	0.000	0.000	2089270.566	6022950.629	8195	GWS	0.48808473080
17393	0.000	0.000	0.000	2089269.377	6022951.924	9548	GWS	1.68225948808
17394	0.000	0.000	0.000	2089268.368	6022953.443	8477	GWS	0.73698146514
17395	0.000	0.000	0.000	2089266.892	6022954.896	8329	GWS	0.60635481024
17396	0.000	0.000	0.000	2089265.993	6022956.609	6702	GWS	-0.82965578111
17397	0.000	0.000	0.000	2089264.572	6022957.946	8365	GWS	0.63812886143
17398	0.000	0.000	0.000	2089263.509	6022959.981	7791	GWS	0.13150926743
17399	0.000	0.000	0.000	2089262.114	6022961.192	8277	GWS	0.56045895852
17400	0.000	0.000	0.000	2089261.063	6022962.911	8759	GWS	0.98587819947
17401	0.000	0.000	0.000	2089259.885	6022964.575	8190	GWS	0.48367166814
17402	0.000	0.000	0.000	2089258.546	6022966.150	8227	GWS	0.51632833186
17403	0.000	0.000	0.000	2089257.911	6022967.975	8446	GWS	0.70962047661
17404	0.000	0.000	0.000	2089256.349	6022969.281	8741	GWS	0.96999117388
17405	0.000	0.000	0.000	2089255.401	6022971.377	7705	GWS	0.05560458959
17406	0.000	0.000	0.000	2089253.672	6022972.531	8436	GWS	0.70079435128
17407	0.000	0.000	0.000	2089252.497	6022974.507	8019	GWS	0.33274492498
17408	0.000	0.000	0.000	2089251.018	6022976.103	7284	GWS	-0.31597528685
17409	0.000	0.000	0.000	2089249.354	6022977.703	7881	GWS	0.21094439541
17410	0.000	0.000	0.000	2089248.794	6022979.471	7790	GWS	0.13062665490
17411	0.000	0.000	0.000	2089247.373	6022980.706	8247	GWS	0.53398058252
17412	0.000	0.000	0.000	2089246.320	6022982.588	8332	GWS	0.60900264784
17413	0.000	0.000	0.000	2089244.646	6022983.723	6733	GWS	-0.80229479259
17414	0.000	0.000	0.000	2089243.598	6022985.482	7473	GWS	-0.14916151809

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17415	0.000	0.000	0.000	2089242.453	6022986.238	8738	GWS	0.96734333628
17416	0.000	0.000	0.000	2089243.142	6022987.594	9534	GWS	1.66990291262
17417	0.000	0.000	0.000	2089243.562	6022989.334	9373	GWS	1.52780229479
17418	0.000	0.000	0.000	2089243.891	6022991.590	8733	GWS	0.96293027361
17419	0.000	0.000	0.000	2089243.060	6022993.280	9443	GWS	1.58958517211
17420	0.000	0.000	0.000	2089241.880	6022994.744	8960	GWS	1.16328331862
17421	0.000	0.000	0.000	2089240.199	6022995.599	9560	GWS	1.69285083848
17422	0.000	0.000	0.000	2089238.384	6022995.650	9200	GWS	1.37511032657
17423	0.000	0.000	0.000	2089236.534	6022995.714	8810	GWS	1.03089143866
17424	0.000	0.000	0.000	2089235.867	6022995.845	8232	GWS	0.52074139453
17425	0.000	0.000	0.000	2089236.499	6022995.506	8358	GWS	0.63195057370
17426	0.000	0.000	0.000	2089238.133	6022993.915	7159	GWS	-0.42630185349
17427	0.000	0.000	0.000	2089239.808	6022993.584	6889	GWS	-0.66460723742
17428	0.000	0.000	0.000	2089240.896	6022992.191	7752	GWS	0.09708737864
17429	0.000	0.000	0.000	2089241.487	6022991.006	7788	GWS	0.12886142983
17430	0.000	0.000	0.000	2089241.362	6022989.446	7827	GWS	0.16328331862
17431	0.000	0.000	0.000	2089240.470	6022990.115	6336	GWS	-1.15269196823
17432	0.000	0.000	0.000	2089239.224	6022991.426	5766	GWS	-1.65578111209
17433	0.000	0.000	0.000	2089238.442	6022993.121	6393	GWS	-1.10238305384
17434	0.000	0.000	0.000	2089237.705	6022993.990	5997	GWS	-1.45189761695
17435	0.000	0.000	0.000	2089236.255	6022994.767	7799	GWS	0.13857016770
17436	0.000	0.000	0.000	2089235.011	6022996.564	8429	GWS	0.69461606355
17437	0.000	0.000	0.000	2089233.539	6022997.948	7957	GWS	0.27802294793
17438	0.000	0.000	0.000	2089232.666	6022999.904	6999	GWS	-0.56751985878
17439	0.000	0.000	0.000	2089231.484	6023001.672	7959	GWS	0.27978817299
17440	0.000	0.000	0.000	2089230.284	6023003.194	7240	GWS	-0.35481023831
17441	0.000	0.000	0.000	2089229.185	6023004.931	7450	GWS	-0.16946160636
17442	0.000	0.000	0.000	2089227.563	6023006.163	8312	GWS	0.59135039718
17443	0.000	0.000	0.000	2089226.464	6023008.373	7148	GWS	-0.43601059135
17444	0.000	0.000	0.000	2089224.909	6023009.765	7007	GWS	-0.56045895852
17445	0.000	0.000	0.000	2089223.819	6023011.414	7751	GWS	0.09620476611
17446	0.000	0.000	0.000	2089222.528	6023013.253	7998	GWS	0.31421006178
17447	0.000	0.000	0.000	2089221.033	6023014.758	7849	GWS	0.18270079435
17448	0.000	0.000	0.000	2089220.047	6023016.464	7752	GWS	0.09708737864
17449	0.000	0.000	0.000	2089218.580	6023017.581	8358	GWS	0.63195057370
17450	0.000	0.000	0.000	2089217.708	6023019.647	8659	GWS	0.89761694616
17451	0.000	0.000	0.000	2089216.215	6023020.792	8224	GWS	0.51368049426
17452	0.000	0.000	0.000	2089215.198	6023022.819	7576	GWS	-0.05825242718
17453	0.000	0.000	0.000	2089213.653	6023024.200	7384	GWS	-0.22771403354
17454	0.000	0.000	0.000	2089212.437	6023025.879	7666	GWS	0.02118270079
17455	0.000	0.000	0.000	2089211.581	6023027.688	8636	GWS	0.87731685790
17456	0.000	0.000	0.000	2089209.974	6023029.150	8429	GWS	0.69461606355
17457	0.000	0.000	0.000	2089209.238	6023030.941	7597	GWS	-0.03971756399
17458	0.000	0.000	0.000	2089207.642	6023031.998	7899	GWS	0.22683142101
17459	0.000	0.000	0.000	2089206.617	6023033.860	7614	GWS	-0.02471315093

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17460	0.000	0.000	0.000	2089205.389	6023034.949	8203	GWS	0.49514563107
17461	0.000	0.000	0.000	2089204.670	6023036.881	7481	GWS	-0.14210061783
17462	0.000	0.000	0.000	2089203.766	6023038.295	5260	GWS	-2.10238305384
17463	0.000	0.000	0.000	2089202.730	6023039.218	4683	GWS	-2.61165048544
17464	0.000	0.000	0.000	2089201.827	6023040.112	5064	GWS	-2.27537511033
17465	0.000	0.000	0.000	2089201.002	6023040.837	5684	GWS	-1.72815533981
17466	0.000	0.000	0.000	2089200.186	6023041.408	6526	GWS	-0.98499558694
17467	0.000	0.000	0.000	2089201.135	6023041.399	7241	GWS	-0.35392762577
17468	0.000	0.000	0.000	2089202.559	6023041.652	7300	GWS	-0.30185348632
17469	0.000	0.000	0.000	2089203.444	6023040.421	7135	GWS	-0.44748455428
17470	0.000	0.000	0.000	2089204.161	6023039.204	7303	GWS	-0.29920564872
17471	0.000	0.000	0.000	2089204.719	6023037.733	8546	GWS	0.79788172992
17472	0.000	0.000	0.000	2089205.950	6023037.072	8916	GWS	1.12444836717
17473	0.000	0.000	0.000	2089206.797	6023034.787	8529	GWS	0.78287731686
17474	0.000	0.000	0.000	2089206.642	6023035.190	8642	GWS	0.88261253310
17475	0.000	0.000	0.000	2089206.916	6023037.187	8820	GWS	1.03971756399
17476	0.000	0.000	0.000	2089207.445	6023039.390	8715	GWS	0.94704324801
17477	0.000	0.000	0.000	2089206.130	6023041.043	9948	GWS	2.03530450132
17478	0.000	0.000	0.000	2089204.947	6023043.014	9627	GWS	1.75198587820
17479	0.000	0.000	0.000	2089203.186	6023043.725	8857	GWS	1.07237422771
17480	0.000	0.000	0.000	2089201.172	6023043.833	9474	GWS	1.61694616064
17481	0.000	0.000	0.000	2089199.312	6023043.583	9658	GWS	1.77934686673
17482	0.000	0.000	0.000	2089198.100	6023044.553	8144	GWS	0.44307149162
17483	0.000	0.000	0.000	2089196.993	6023046.169	7466	GWS	-0.15533980583
17484	0.000	0.000	0.000	2089195.635	6023047.757	8526	GWS	0.78022947926
17485	0.000	0.000	0.000	2089194.897	6023049.517	8461	GWS	0.72285966461
17486	0.000	0.000	0.000	2089193.145	6023051.024	8685	GWS	0.92056487202
17487	0.000	0.000	0.000	2089192.435	6023053.418	8621	GWS	0.86407766990
17488	0.000	0.000	0.000	2089190.955	6023054.484	8215	GWS	0.50573698147
17489	0.000	0.000	0.000	2089190.416	6023056.493	8414	GWS	0.68137687555
17490	0.000	0.000	0.000	2089189.051	6023057.520	8373	GWS	0.64518976170
17491	0.000	0.000	0.000	2089189.092	6023059.052	8723	GWS	0.95410414828
17492	0.000	0.000	0.000	2089189.268	6023060.212	8660	GWS	0.89849955869
17493	0.000	0.000	0.000	2089188.081	6023061.261	8015	GWS	0.32921447485
17494	0.000	0.000	0.000	2089187.843	6023062.603	8753	GWS	0.98058252427
17495	0.000	0.000	0.000	2089187.429	6023063.494	8068	GWS	0.37599293910
17496	0.000	0.000	0.000	2089186.814	6023063.506	8557	GWS	0.80759046779
17497	0.000	0.000	0.000	2089184.852	6023063.631	9369	GWS	1.52427184466
17498	0.000	0.000	0.000	2089183.912	6023064.840	8042	GWS	0.35304501324
17499	0.000	0.000	0.000	2089182.394	6023065.303	7590	GWS	-0.04589585172
17500	0.000	0.000	0.000	2089181.214	6023067.048	8977	GWS	1.17828773169
17501	0.000	0.000	0.000	2089180.152	6023068.974	9654	GWS	1.77581641659
17502	0.000	0.000	0.000	2089178.588	6023070.338	8623	GWS	0.86584289497
17503	0.000	0.000	0.000	2089177.487	6023072.258	8546	GWS	0.79788172992
17504	0.000	0.000	0.000	2089175.729	6023073.465	8046	GWS	0.35657546337

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17505	0.000	0.000	0.000	2089175.348	6023075.312	8491	GWS	0.74933804060
17506	0.000	0.000	0.000	2089173.770	6023076.402	8902	GWS	1.11209179170
17507	0.000	0.000	0.000	2089172.690	6023078.362	9245	GWS	1.41482789056
17508	0.000	0.000	0.000	2089172.089	6023079.685	8371	GWS	0.64342453663
17509	0.000	0.000	0.000	2089170.991	6023080.956	8122	GWS	0.42365401589
17510	0.000	0.000	0.000	2089169.502	6023082.643	8360	GWS	0.63371579876
17511	0.000	0.000	0.000	2089167.929	6023084.133	7190	GWS	-0.39894086496
17512	0.000	0.000	0.000	2089167.285	6023085.744	5907	GWS	-1.53133274492
17513	0.000	0.000	0.000	2089165.852	6023086.305	5407	GWS	-1.97263901147
17514	0.000	0.000	0.000	2089164.485	6023087.804	5239	GWS	-2.12091791703
17515	0.000	0.000	0.000	2089163.618	6023088.144	6142	GWS	-1.32391879965
17516	0.000	0.000	0.000	2089164.186	6023089.792	7595	GWS	-0.04148278906
17517	0.000	0.000	0.000	2089165.101	6023088.360	6728	GWS	-0.80670785525
17518	0.000	0.000	0.000	2089166.448	6023087.631	5972	GWS	-1.47396293027
17519	0.000	0.000	0.000	2089167.165	6023086.116	6994	GWS	-0.57193292145
17520	0.000	0.000	0.000	2089167.680	6023084.702	7808	GWS	0.14651368049
17521	0.000	0.000	0.000	2089169.788	6023083.945	7922	GWS	0.24713150927
17522	0.000	0.000	0.000	2089170.400	6023085.477	9480	GWS	1.62224183583
17523	0.000	0.000	0.000	2089170.277	6023087.659	10260	GWS	2.31067961165
17524	0.000	0.000	0.000	2089168.882	6023089.394	10215	GWS	2.27096204766
17525	0.000	0.000	0.000	2089167.482	6023090.876	10507	GWS	2.52868490733
17526	0.000	0.000	0.000	2089165.470	6023091.382	9938	GWS	2.02647837599
17527	0.000	0.000	0.000	2089163.686	6023090.530	9054	GWS	1.24624889673
17528	0.000	0.000	0.000	2089162.560	6023091.084	8593	GWS	0.83936451898
17529	0.000	0.000	0.000	2089161.100	6023092.398	7938	GWS	0.26125330980
17530	0.000	0.000	0.000	2089160.560	6023094.403	8589	GWS	0.83583406884
17531	0.000	0.000	0.000	2089159.441	6023095.748	7898	GWS	0.22594880847
17532	0.000	0.000	0.000	2089158.562	6023097.884	7614	GWS	-0.02471315093
17533	0.000	0.000	0.000	2089156.628	6023098.708	8863	GWS	1.07766990291
17534	0.000	0.000	0.000	2089155.982	6023100.452	10226	GWS	2.28067078553
17535	0.000	0.000	0.000	2089155.215	6023102.048	10926	GWS	2.89849955869
17536	0.000	0.000	0.000	2089154.938	6023104.386	10921	GWS	2.89408649603
17537	0.000	0.000	0.000	2089154.358	6023105.856	11130	GWS	3.07855251545
17538	0.000	0.000	0.000	2089152.665	6023107.231	10942	GWS	2.91262135922
17539	0.000	0.000	0.000	2089151.958	6023108.505	9815	GWS	1.91791703442
17540	0.000	0.000	0.000	2089150.110	6023108.451	10824	GWS	2.80847308032
17541	0.000	0.000	0.000	2089149.305	6023109.824	11316	GWS	3.24271844660
17542	0.000	0.000	0.000	2089148.075	6023110.640	8889	GWS	1.10061782877
17543	0.000	0.000	0.000	2089147.093	6023112.149	7562	GWS	-0.07060900265
17544	0.000	0.000	0.000	2089144.953	6023112.766	7320	GWS	-0.28420123566
17545	0.000	0.000	0.000	2089144.978	6023112.985	6840	GWS	-0.70785525155
17546	0.000	0.000	0.000	2089145.489	6023112.315	7560	GWS	-0.07237422771
17547	0.000	0.000	0.000	2089146.885	6023112.507	7050	GWS	-0.52250661959
17548	0.000	0.000	0.000	2089148.438	6023111.294	8512	GWS	0.76787290380
17549	0.000	0.000	0.000	2089150.197	6023110.672	8668	GWS	0.90556045896

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17550	0.000	0.000	0.000	2089151.230	6023108.897	8707	GWS	0.93998234775
17551	0.000	0.000	0.000	2089152.618	6023107.983	9076	GWS	1.26566637246
17552	0.000	0.000	0.000	2089153.358	6023105.994	9289	GWS	1.45366284201
17553	0.000	0.000	0.000	2089154.644	6023104.542	8742	GWS	0.97087378641
17554	0.000	0.000	0.000	2089155.868	6023103.041	9835	GWS	1.93556928508
17555	0.000	0.000	0.000	2089158.078	6023102.078	8939	GWS	1.14474845543
17556	0.000	0.000	0.000	2089157.406	6023103.846	8714	GWS	0.94616063548
17557	0.000	0.000	0.000	2089156.535	6023106.226	10068	GWS	2.14121800530
17558	0.000	0.000	0.000	2089154.739	6023107.568	9417	GWS	1.56663724625
17559	0.000	0.000	0.000	2089153.434	6023109.605	9194	GWS	1.36981465137
17560	0.000	0.000	0.000	2089152.394	6023111.132	8898	GWS	1.10856134157
17561	0.000	0.000	0.000	2089152.169	6023113.068	7654	GWS	0.01059135040
17562	0.000	0.000	0.000	2089151.858	6023114.854	7583	GWS	-0.05207413945
17563	0.000	0.000	0.000	2089150.820	6023114.451	7206	GWS	-0.38481906443
17564	0.000	0.000	0.000	2089150.776	6023114.098	7711	GWS	0.06090026478
17565	0.000	0.000	0.000	2089150.871	6023114.646	7117	GWS	-0.46337157988
17566	0.000	0.000	0.000	2089149.739	6023116.561	7149	GWS	-0.43512797882
17567	0.000	0.000	0.000	2089148.945	6023116.931	7307	GWS	-0.29567519859
17568	0.000	0.000	0.000	2089147.834	6023118.235	7616	GWS	-0.02294792586
17569	0.000	0.000	0.000	2089146.680	6023118.838	7514	GWS	-0.11297440424
17570	0.000	0.000	0.000	2089145.689	6023120.071	6648	GWS	-0.87731685790
17571	0.000	0.000	0.000	2089144.316	6023120.752	5643	GWS	-1.76434245366
17572	0.000	0.000	0.000	2089142.001	6023121.603	6691	GWS	-0.83936451898
17573	0.000	0.000	0.000	2089141.715	6023120.082	6922	GWS	-0.63548102383
17574	0.000	0.000	0.000	2089141.251	6023120.214	7460	GWS	-0.16063548102
17575	0.000	0.000	0.000	2089139.930	6023121.217	7325	GWS	-0.27978817299
17576	0.000	0.000	0.000	2089138.934	6023123.402	6961	GWS	-0.60105913504
17577	0.000	0.000	0.000	2089137.329	6023124.720	7410	GWS	-0.20476610768
17578	0.000	0.000	0.000	2089136.149	6023126.869	7042	GWS	-0.52956751986
17579	0.000	0.000	0.000	2089134.295	6023128.285	7040	GWS	-0.53133274493
17580	0.000	0.000	0.000	2089133.260	6023129.697	7250	GWS	-0.34598411297
17581	0.000	0.000	0.000	2089132.173	6023130.705	8052	GWS	0.36187113857
17582	0.000	0.000	0.000	2089131.724	6023132.716	8553	GWS	0.80406001765
17583	0.000	0.000	0.000	2089130.967	6023133.919	6818	GWS	-0.72727272727
17584	0.000	0.000	0.000	2089129.849	6023134.782	5166	GWS	-2.18534863195
17585	0.000	0.000	0.000	2089128.576	6023135.941	5291	GWS	-2.07502206531
17586	0.000	0.000	0.000	2089127.054	6023136.554	6254	GWS	-1.22506619594
17587	0.000	0.000	0.000	2089126.550	6023136.575	8163	GWS	0.45984112974
17588	0.000	0.000	0.000	2089127.763	6023137.463	7320	GWS	-0.28420123566
17589	0.000	0.000	0.000	2089128.876	6023136.658	7230	GWS	-0.36363636364
17590	0.000	0.000	0.000	2089130.201	6023135.970	7087	GWS	-0.48984995587
17591	0.000	0.000	0.000	2089131.013	6023135.008	8672	GWS	0.90909090909
17592	0.000	0.000	0.000	2089131.999	6023133.965	8708	GWS	0.94086496028
17593	0.000	0.000	0.000	2089133.146	6023132.430	8897	GWS	1.10767872904
17594	0.000	0.000	0.000	2089132.974	6023130.909	8224	GWS	0.51368049426

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17595	0.000	0.000	0.000	2089133.431	6023131.712	8236	GWS	0.52427184466
17596	0.000	0.000	0.000	2089133.228	6023133.701	8929	GWS	1.13592233010
17597	0.000	0.000	0.000	2089133.162	6023136.188	9762	GWS	1.87113857017
17598	0.000	0.000	0.000	2089131.902	6023137.734	9190	GWS	1.36628420124
17599	0.000	0.000	0.000	2089130.474	6023139.296	8717	GWS	0.94880847308
17600	0.000	0.000	0.000	2089128.449	6023139.737	10489	GWS	2.51279788173
17601	0.000	0.000	0.000	2089126.609	6023139.343	10152	GWS	2.21535745808
17602	0.000	0.000	0.000	2089125.314	6023139.953	8688	GWS	0.92321270962
17603	0.000	0.000	0.000	2089123.469	6023141.212	8784	GWS	1.00794351280
17604	0.000	0.000	0.000	2089122.574	6023143.270	8853	GWS	1.06884377758
17605	0.000	0.000	0.000	2089121.105	6023145.163	8723	GWS	0.95410414828
17606	0.000	0.000	0.000	2089120.195	6023147.226	8300	GWS	0.58075904678
17607	0.000	0.000	0.000	2089118.883	6023149.170	8165	GWS	0.46160635481
17608	0.000	0.000	0.000	2089117.162	6023150.681	7771	GWS	0.11385701677
17609	0.000	0.000	0.000	2089116.361	6023152.835	8572	GWS	0.82082965578
17610	0.000	0.000	0.000	2089114.712	6023154.192	8563	GWS	0.81288614298
17611	0.000	0.000	0.000	2089113.631	6023156.361	7661	GWS	0.01676963813
17612	0.000	0.000	0.000	2089111.772	6023157.859	7795	GWS	0.13503971756
17613	0.000	0.000	0.000	2089110.625	6023159.680	7468	GWS	-0.15357458076
17614	0.000	0.000	0.000	2089109.370	6023161.764	8017	GWS	0.33097969991
17615	0.000	0.000	0.000	2089107.743	6023163.416	8634	GWS	0.87555163283
17616	0.000	0.000	0.000	2089106.808	6023165.554	7468	GWS	-0.15357458076
17617	0.000	0.000	0.000	2089104.983	6023167.067	7507	GWS	-0.11915269197
17618	0.000	0.000	0.000	2089103.641	6023169.209	7456	GWS	-0.16416593116
17619	0.000	0.000	0.000	2089102.601	6023171.501	8554	GWS	0.80494263019
17620	0.000	0.000	0.000	2089100.705	6023172.838	8048	GWS	0.35834068844
17621	0.000	0.000	0.000	2089099.244	6023174.979	8462	GWS	0.72374227714
17622	0.000	0.000	0.000	2089097.656	6023176.619	8175	GWS	0.47043248014
17623	0.000	0.000	0.000	2089096.187	6023178.103	7233	GWS	-0.36098852604
17624	0.000	0.000	0.000	2089094.808	6023180.406	5348	GWS	-2.02471315093
17625	0.000	0.000	0.000	2089093.461	6023181.732	5401	GWS	-1.97793468667
17626	0.000	0.000	0.000	2089092.502	6023183.335	4590	GWS	-2.69373345102
17627	0.000	0.000	0.000	2089091.056	6023184.208	5334	GWS	-2.03706972639
17628	0.000	0.000	0.000	2089090.122	6023184.524	6030	GWS	-1.42277140335
17629	0.000	0.000	0.000	2089091.250	6023185.358	7121	GWS	-0.45984112974
17630	0.000	0.000	0.000	2089092.447	6023184.588	6940	GWS	-0.61959399824
17631	0.000	0.000	0.000	2089093.830	6023183.736	6565	GWS	-0.95057369815
17632	0.000	0.000	0.000	2089093.777	6023181.551	7131	GWS	-0.45101500441
17633	0.000	0.000	0.000	2089094.457	6023180.947	7902	GWS	0.22947925861
17634	0.000	0.000	0.000	2089096.746	6023179.880	7675	GWS	0.02912621359
17635	0.000	0.000	0.000	2089096.650	6023178.464	7709	GWS	0.05913503972
17636	0.000	0.000	0.000	2089096.647	6023178.646	8947	GWS	1.15180935569
17637	0.000	0.000	0.000	2089097.492	6023179.792	8146	GWS	0.44483671668
17638	0.000	0.000	0.000	2089098.549	6023181.392	8336	GWS	0.61253309797
17639	0.000	0.000	0.000	2089097.390	6023183.307	8804	GWS	1.02559576346

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17640	0.000	0.000	0.000	2089096.320	6023185.510	8501	GWS	0.75816416593
17641	0.000	0.000	0.000	2089094.728	6023186.599	8485	GWS	0.74404236540
17642	0.000	0.000	0.000	2089092.667	6023187.483	9021	GWS	1.21712268314
17643	0.000	0.000	0.000	2089090.869	6023187.041	9395	GWS	1.54721977052
17644	0.000	0.000	0.000	2089089.281	6023187.184	8588	GWS	0.83495145631
17645	0.000	0.000	0.000	2089088.019	6023188.951	7847	GWS	0.18093556929
17646	0.000	0.000	0.000	2089086.670	6023190.697	8471	GWS	0.73168578994
17647	0.000	0.000	0.000	2089085.874	6023192.818	7968	GWS	0.28773168579
17648	0.000	0.000	0.000	2089084.541	6023194.775	7422	GWS	-0.19417475728
17649	0.000	0.000	0.000	2089082.913	6023196.494	8275	GWS	0.55869373345
17650	0.000	0.000	0.000	2089082.242	6023198.268	7709	GWS	0.05913503972
17651	0.000	0.000	0.000	2089081.209	6023199.083	9097	GWS	1.28420123566
17652	0.000	0.000	0.000	2089080.798	6023201.162	8124	GWS	0.42541924095
17653	0.000	0.000	0.000	2089078.884	6023201.964	7971	GWS	0.29037952339
17654	0.000	0.000	0.000	2089078.744	6023202.261	6762	GWS	-0.77669902913
17655	0.000	0.000	0.000	2089078.680	6023203.025	7450	GWS	-0.16946160636
17656	0.000	0.000	0.000	2089077.036	6023202.733	7502	GWS	-0.12356575463
17657	0.000	0.000	0.000	2089076.911	6023203.782	7515	GWS	-0.11209179170
17658	0.000	0.000	0.000	2089077.221	6023203.659	7788	GWS	0.12886142983
17659	0.000	0.000	0.000	2089077.299	6023204.810	7767	GWS	0.11032656664
17660	0.000	0.000	0.000	2089075.511	6023206.470	7552	GWS	-0.07943512798
17661	0.000	0.000	0.000	2089073.585	6023206.675	6958	GWS	-0.60370697264
17662	0.000	0.000	0.000	2089074.575	6023207.671	8399	GWS	0.66813768756
17663	0.000	0.000	0.000	2089076.433	6023208.346	8700	GWS	0.93380406002
17664	0.000	0.000	0.000	2089078.904	6023207.852	8385	GWS	0.65578111209
17665	0.000	0.000	0.000	2089079.592	6023206.006	8396	GWS	0.66548984996
17666	0.000	0.000	0.000	2089080.519	6023204.329	8189	GWS	0.48278905561
17667	0.000	0.000	0.000	2089080.246	6023202.659	8497	GWS	0.75463371580
17668	0.000	0.000	0.000	2089080.336	6023199.917	10044	GWS	2.12003530450
17669	0.000	0.000	0.000	2089080.791	6023200.259	8481	GWS	0.74051191527
17670	0.000	0.000	0.000	2089080.652	6023201.828	7190	GWS	-0.39894086496
17671	0.000	0.000	0.000	2089080.530	6023203.739	7767	GWS	0.11032656664
17672	0.000	0.000	0.000	2089079.764	6023206.221	8272	GWS	0.55604589585
17673	0.000	0.000	0.000	2089078.037	6023208.417	8368	GWS	0.64077669903
17674	0.000	0.000	0.000	2089076.056	6023207.626	8692	GWS	0.92674315975
17675	0.000	0.000	0.000	2089074.081	6023207.555	8563	GWS	0.81288614298
17676	0.000	0.000	0.000	2089072.336	6023208.237	6820	GWS	-0.72550750221
17677	0.000	0.000	0.000	2089071.265	6023210.317	5377	GWS	-1.99911738747
17678	0.000	0.000	0.000	2089070.845	6023212.575	5942	GWS	-1.50044130627
17679	0.000	0.000	0.000	2089068.937	6023214.557	7343	GWS	-0.26390114740
17680	0.000	0.000	0.000	2089066.962	6023216.963	7266	GWS	-0.33186231245
17681	0.000	0.000	0.000	2089065.814	6023219.075	7096	GWS	-0.48190644307
17682	0.000	0.000	0.000	2089064.464	6023221.396	8224	GWS	0.51368049426
17683	0.000	0.000	0.000	2089062.523	6023222.847	8056	GWS	0.36540158870
17684	0.000	0.000	0.000	2089061.452	6023225.070	7024	GWS	-0.54545454546



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17685	0.000	0.000	0.000	2089059.439	6023226.466	6556	GWS	-0.95851721094
17686	0.000	0.000	0.000	2089058.223	6023228.329	6589	GWS	-0.92939099735
17687	0.000	0.000	0.000	2089056.892	6023229.866	5471	GWS	-1.91615180936
17688	0.000	0.000	0.000	2089055.504	6023231.072	4997	GWS	-2.33451015004
17689	0.000	0.000	0.000	2089054.546	6023231.900	5863	GWS	-1.57016769638
17690	0.000	0.000	0.000	2089054.481	6023232.566	6893	GWS	-0.66107678729
17691	0.000	0.000	0.000	2089056.377	6023232.744	7663	GWS	0.01853486320
17692	0.000	0.000	0.000	2089057.427	6023231.378	7436	GWS	-0.18181818182
17693	0.000	0.000	0.000	2089058.671	6023230.273	7679	GWS	0.03265666372
17694	0.000	0.000	0.000	2089060.101	6023228.165	8849	GWS	1.06531332745
17695	0.000	0.000	0.000	2089060.882	6023227.846	8602	GWS	0.84730803177
17696	0.000	0.000	0.000	2089061.235	6023228.802	7850	GWS	0.18358340688
17697	0.000	0.000	0.000	2089061.094	6023231.116	8892	GWS	1.10326566637
17698	0.000	0.000	0.000	2089059.332	6023232.629	10563	GWS	2.57811120918
17699	0.000	0.000	0.000	2089058.315	6023234.805	10260	GWS	2.31067961165
17700	0.000	0.000	0.000	2089056.293	6023235.027	9315	GWS	1.47661076787
17701	0.000	0.000	0.000	2089054.536	6023235.365	9348	GWS	1.50573698147
17702	0.000	0.000	0.000	2089053.072	6023234.728	8937	GWS	1.14298323036
17703	0.000	0.000	0.000	2089052.180	6023236.079	8954	GWS	1.15798764342
17704	0.000	0.000	0.000	2089050.792	6023237.471	8028	GWS	0.34068843778
17705	0.000	0.000	0.000	2089049.981	6023239.032	8247	GWS	0.53398058252
17706	0.000	0.000	0.000	2089048.732	6023240.676	8001	GWS	0.31685789938
17707	0.000	0.000	0.000	2089047.623	6023242.022	8450	GWS	0.71315092674
17708	0.000	0.000	0.000	2089046.225	6023243.822	8532	GWS	0.78552515446
17709	0.000	0.000	0.000	2089044.825	6023245.243	8283	GWS	0.56575463372
17710	0.000	0.000	0.000	2089043.924	6023246.951	7890	GWS	0.21888790821
17711	0.000	0.000	0.000	2089042.289	6023248.782	7852	GWS	0.18534863195
17712	0.000	0.000	0.000	2089041.711	6023250.832	7483	GWS	-0.14033539276
17713	0.000	0.000	0.000	2089039.958	6023251.536	9071	GWS	1.26125330980
17714	0.000	0.000	0.000	2089039.802	6023253.488	9017	GWS	1.21359223301
17715	0.000	0.000	0.000	2089039.090	6023255.454	9544	GWS	1.67872903795
17716	0.000	0.000	0.000	2089038.789	6023257.826	9886	GWS	1.98058252427
17717	0.000	0.000	0.000	2089037.018	6023258.875	9791	GWS	1.89673433363
17718	0.000	0.000	0.000	2089035.987	6023260.433	9755	GWS	1.86496028244
17719	0.000	0.000	0.000	2089034.382	6023261.048	9199	GWS	1.37422771403
17720	0.000	0.000	0.000	2089032.841	6023262.069	9199	GWS	1.37422771403
17721	0.000	0.000	0.000	2089031.306	6023262.511	8390	GWS	0.66019417476
17722	0.000	0.000	0.000	2089030.250	6023264.161	6927	GWS	-0.63106796117
17723	0.000	0.000	0.000	2089028.791	6023265.131	6572	GWS	-0.94439541042
17724	0.000	0.000	0.000	2089030.710	6023265.656	8303	GWS	0.58340688438
17725	0.000	0.000	0.000	2089031.103	6023267.176	8051	GWS	0.36098852604
17726	0.000	0.000	0.000	2089031.435	6023269.602	8671	GWS	0.90820829656
17727	0.000	0.000	0.000	2089030.067	6023271.345	7087	GWS	-0.48984995587
17728	0.000	0.000	0.000	2089028.543	6023273.516	8072	GWS	0.37952338923
17729	0.000	0.000	0.000	2089026.234	6023273.451	7598	GWS	-0.03883495146

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17730	0.000	0.000	0.000	2089024.761	6023272.572	7269	GWS	-0.32921447485
17731	0.000	0.000	0.000	2089023.812	6023273.292	6887	GWS	-0.66637246249
17732	0.000	0.000	0.000	2089022.523	6023275.530	6461	GWS	-1.04236540159
17733	0.000	0.000	0.000	2089022.128	6023277.068	5648	GWS	-1.75992939100
17734	0.000	0.000	0.000	2089021.390	6023276.907	4587	GWS	-2.69638128861
17735	0.000	0.000	0.000	2089021.088	6023278.573	4365	GWS	-2.89232127096
17736	0.000	0.000	0.000	2089020.348	6023278.891	4765	GWS	-2.53927625772
17737	0.000	0.000	0.000	2089019.245	6023279.353	5935	GWS	-1.50661959400
17738	0.000	0.000	0.000	2089019.418	6023280.100	6905	GWS	-0.65048543689
17739	0.000	0.000	0.000	2089020.263	6023279.678	5626	GWS	-1.77934686673
17740	0.000	0.000	0.000	2089021.936	6023278.573	6370	GWS	-1.12268314210
17741	0.000	0.000	0.000	2089023.084	6023277.103	6452	GWS	-1.05030891439
17742	0.000	0.000	0.000	2089023.756	6023276.105	7403	GWS	-0.21094439541
17743	0.000	0.000	0.000	2089024.215	6023273.630	7430	GWS	-0.18711385702
17744	0.000	0.000	0.000	2089024.958	6023274.597	7767	GWS	0.11032656664
17745	0.000	0.000	0.000	2089025.066	6023276.401	8602	GWS	0.84730803177
17746	0.000	0.000	0.000	2089024.985	6023279.079	8480	GWS	0.73962930274
17747	0.000	0.000	0.000	2089023.416	6023280.239	8510	GWS	0.76610767873
17748	0.000	0.000	0.000	2089022.056	6023281.569	7527	GWS	-0.10150044131
17749	0.000	0.000	0.000	2089019.789	6023281.210	7492	GWS	-0.13239187997
17750	0.000	0.000	0.000	2089020.620	6023282.061	7453	GWS	-0.16681376876
17751	0.000	0.000	0.000	2089019.708	6023283.099	7263	GWS	-0.33451015004
17752	0.000	0.000	0.000	2089019.900	6023284.794	6315	GWS	-1.17122683142
17753	0.000	0.000	0.000	2089019.220	6023286.548	6558	GWS	-0.95675198588
17754	0.000	0.000	0.000	2089019.894	6023288.655	6829	GWS	-0.71756398941
17755	0.000	0.000	0.000	2089018.756	6023290.643	7647	GWS	0.00441306267
17756	0.000	0.000	0.000	2089017.678	6023292.368	7552	GWS	-0.07943512798
17757	0.000	0.000	0.000	2089015.681	6023293.460	7738	GWS	0.08473080318
17758	0.000	0.000	0.000	2089013.661	6023293.322	7304	GWS	-0.29832303619
17759	0.000	0.000	0.000	2089013.648	6023294.066	7736	GWS	0.08296557811
17760	0.000	0.000	0.000	2089013.168	6023293.407	7784	GWS	0.12533097970
17761	0.000	0.000	0.000	2089013.264	6023293.468	7286	GWS	-0.31421006178
17762	0.000	0.000	0.000	2089013.282	6023293.416	7281	GWS	-0.31862312445
17763	0.000	0.000	0.000	2089013.277	6023293.326	7760	GWS	0.10414827891
17764	0.000	0.000	0.000	2089013.485	6023293.549	7280	GWS	-0.31950573698
17765	0.000	0.000	0.000	2089013.696	6023294.232	8090	GWS	0.39541041483
17766	0.000	0.000	0.000	2089013.851	6023294.284	7242	GWS	-0.35304501324
17767	0.000	0.000	0.000	2089013.541	6023294.031	7690	GWS	0.04236540159
17768	0.000	0.000	0.000	2089013.689	6023294.673	6782	GWS	-0.75904677846
17769	0.000	0.000	0.000	2089013.774	6023294.707	6975	GWS	-0.58870255958
17770	0.000	0.000	0.000	2089013.826	6023294.140	6273	GWS	-1.20829655781
17771	0.000	0.000	0.000	2089013.808	6023293.739	5982	GWS	-1.46513680494
17772	0.000	0.000	0.000	2089013.935	6023293.896	6623	GWS	-0.89938217123
17773	0.000	0.000	0.000	2089013.996	6023293.950	6606	GWS	-0.91438658429
17774	0.000	0.000	0.000	2089014.135	6023293.972	7411	GWS	-0.20388349515

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17775	0.000	0.000	0.000	2089014.051	6023293.938	6112	GWS	-1.35039717564
17776	0.000	0.000	0.000	2089014.080	6023293.979	6538	GWS	-0.97440423654
17777	0.000	0.000	0.000	2089014.148	6023294.042	7634	GWS	-0.00706090026
17778	0.000	0.000	0.000	2089014.009	6023293.923	7368	GWS	-0.24183583407
17779	0.000	0.000	0.000	2089013.806	6023293.724	8202	GWS	0.49426301854
17780	0.000	0.000	0.000	2089013.784	6023293.729	6910	GWS	-0.64607237423
17781	0.000	0.000	0.000	2089013.829	6023293.762	6227	GWS	-1.24889673433
17782	0.000	0.000	0.000	2089013.933	6023293.787	6400	GWS	-1.09620476611
17783	0.000	0.000	0.000	2089013.995	6023293.741	6790	GWS	-0.75198587820
17784	0.000	0.000	0.000	2089014.076	6023293.715	6797	GWS	-0.74580759047
17785	0.000	0.000	0.000	2089014.077	6023293.671	6139	GWS	-1.32656663725
17786	0.000	0.000	0.000	2089014.177	6023293.902	6424	GWS	-1.07502206531
17787	0.000	0.000	0.000	2089012.836	6023294.852	7496	GWS	-0.12886142983
17788	0.000	0.000	0.000	2089012.681	6023295.011	6314	GWS	-1.17210944395
17789	0.000	0.000	0.000	2089013.807	6023295.501	7398	GWS	-0.21535745808
17790	0.000	0.000	0.000	2089014.771	6023295.798	6829	GWS	-0.71756398941
17791	0.000	0.000	0.000	2089014.958	6023295.638	5907	GWS	-1.53133274492
17792	0.000	0.000	0.000	2089015.112	6023295.389	5880	GWS	-1.55516328332
17793	0.000	0.000	0.000	2089014.407	6023296.364	6555	GWS	-0.95939982348
17794	0.000	0.000	0.000	2089014.119	6023296.223	7938	GWS	0.26125330980
17795	0.000	0.000	0.000	2089013.924	6023296.856	7144	GWS	-0.43954104148
17796	0.000	0.000	0.000	2089013.472	6023297.013	6886	GWS	-0.66725507502
17797	0.000	0.000	0.000	2089013.892	6023296.713	8231	GWS	0.51985878200
17798	0.000	0.000	0.000	2089013.750	6023296.293	7068	GWS	-0.50661959400
17799	0.000	0.000	0.000	2089014.001	6023296.825	7077	GWS	-0.49867608120
17800	0.000	0.000	0.000	2089012.757	6023297.675	8519	GWS	0.77405119153
17801	0.000	0.000	0.000	2089012.234	6023299.596	7620	GWS	-0.01941747573
17802	0.000	0.000	0.000	2089011.401	6023300.484	6810	GWS	-0.73433362754
17803	0.000	0.000	0.000	2089011.317	6023301.084	7331	GWS	-0.27449249779
17804	0.000	0.000	0.000	2089011.339	6023301.054	7172	GWS	-0.41482789056
17805	0.000	0.000	0.000	2089010.560	6023301.352	7853	GWS	0.18623124448
17806	0.000	0.000	0.000	2089008.468	6023302.318	7183	GWS	-0.40511915269
17807	0.000	0.000	0.000	2089006.327	6023303.142	7496	GWS	-0.12886142983
17808	0.000	0.000	0.000	2089005.493	6023304.924	6824	GWS	-0.72197705207
17809	0.000	0.000	0.000	2089005.273	6023304.640	6866	GWS	-0.68490732568
17810	0.000	0.000	0.000	2089004.757	6023305.893	7776	GWS	0.11827007944
17811	0.000	0.000	0.000	2089003.068	6023306.663	7434	GWS	-0.18358340688
17812	0.000	0.000	0.000	2089001.586	6023307.469	7588	GWS	-0.04766107679
17813	0.000	0.000	0.000	2089001.803	6023308.493	6607	GWS	-0.91350397176
17814	0.000	0.000	0.000	2089001.598	6023309.073	6271	GWS	-1.21006178288
17815	0.000	0.000	0.000	2089001.536	6023308.984	8137	GWS	0.43689320388
17816	0.000	0.000	0.000	2089000.094	6023310.043	7734	GWS	0.08120035305
17817	0.000	0.000	0.000	2088998.499	6023311.023	8323	GWS	0.60105913504
17818	0.000	0.000	0.000	2088996.341	6023312.175	7661	GWS	0.01676963813
17819	0.000	0.000	0.000	2088994.805	6023312.789	7015	GWS	-0.55339805825

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17820	0.000	0.000	0.000	2088994.748	6023312.831	7873	GWS	0.20388349515
17821	0.000	0.000	0.000	2088995.385	6023314.973	7578	GWS	-0.05648720212
17822	0.000	0.000	0.000	2088994.689	6023315.374	6904	GWS	-0.65136804943
17823	0.000	0.000	0.000	2088993.803	6023315.370	6976	GWS	-0.58781994704
17824	0.000	0.000	0.000	2088993.992	6023315.289	7204	GWS	-0.38658428950
17825	0.000	0.000	0.000	2088994.149	6023315.295	6931	GWS	-0.62753751103
17826	0.000	0.000	0.000	2088994.320	6023315.284	6742	GWS	-0.79435127979
17827	0.000	0.000	0.000	2088994.371	6023315.310	6785	GWS	-0.75639894087
17828	0.000	0.000	0.000	2088994.887	6023315.199	7066	GWS	-0.50838481906
17829	0.000	0.000	0.000	2088996.303	6023315.661	7376	GWS	-0.23477493380
17830	0.000	0.000	0.000	2088996.400	6023315.440	7124	GWS	-0.45719329215
17831	0.000	0.000	0.000	2088996.040	6023315.246	7151	GWS	-0.43336275375
17832	0.000	0.000	0.000	2088996.069	6023315.136	7307	GWS	-0.29567519859
17833	0.000	0.000	0.000	2088995.967	6023315.472	7016	GWS	-0.55251544572
17834	0.000	0.000	0.000	2088996.148	6023315.380	7754	GWS	0.09885260371
17835	0.000	0.000	0.000	2088995.975	6023314.854	7008	GWS	-0.55957634598
17836	0.000	0.000	0.000	2088996.194	6023314.872	7032	GWS	-0.53839364519
17837	0.000	0.000	0.000	2088996.325	6023314.739	7458	GWS	-0.16240070609
17838	0.000	0.000	0.000	2088995.416	6023314.091	7174	GWS	-0.41306266549
17839	0.000	0.000	0.000	2088995.582	6023313.128	7313	GWS	-0.29037952339
17840	0.000	0.000	0.000	2088994.753	6023312.955	7858	GWS	0.19064430715
17841	0.000	0.000	0.000	2088993.906	6023313.088	7124	GWS	-0.45719329215
17842	0.000	0.000	0.000	2088992.262	6023314.336	7481	GWS	-0.14210061783
17843	0.000	0.000	0.000	2088991.628	6023316.164	7210	GWS	-0.38128861430
17844	0.000	0.000	0.000	2088989.940	6023317.687	7802	GWS	0.14121800530
17845	0.000	0.000	0.000	2088988.994	6023319.952	7620	GWS	-0.01941747573
17846	0.000	0.000	0.000	2088987.866	6023321.785	7695	GWS	0.04677846425
17847	0.000	0.000	0.000	2088986.256	6023322.848	6753	GWS	-0.78464254192
17848	0.000	0.000	0.000	2088984.904	6023324.875	5318	GWS	-2.05119152692
17849	0.000	0.000	0.000	2088983.751	6023326.458	4919	GWS	-2.40335392763
17850	0.000	0.000	0.000	2088982.068	6023326.863	5797	GWS	-1.62842012357
17851	0.000	0.000	0.000	2088982.689	6023327.133	7154	GWS	-0.43071491615
17852	0.000	0.000	0.000	2088984.041	6023326.870	7248	GWS	-0.34774933804
17853	0.000	0.000	0.000	2088985.584	6023325.697	6732	GWS	-0.80317740512
17854	0.000	0.000	0.000	2088986.101	6023323.968	6963	GWS	-0.59929390997
17855	0.000	0.000	0.000	2088987.365	6023323.305	7620	GWS	-0.01941747573
17856	0.000	0.000	0.000	2088988.432	6023321.856	8085	GWS	0.39099735216
17857	0.000	0.000	0.000	2088988.795	6023321.571	7661	GWS	0.01676963813
17858	0.000	0.000	0.000	2088988.417	6023323.428	8815	GWS	1.03530450132
17859	0.000	0.000	0.000	2088988.708	6023325.921	9944	GWS	2.03177405119
17860	0.000	0.000	0.000	2088987.097	6023327.731	8966	GWS	1.16857899382
17861	0.000	0.000	0.000	2088985.446	6023329.851	9021	GWS	1.21712268314
17862	0.000	0.000	0.000	2088983.250	6023329.765	9365	GWS	1.52074139453
17863	0.000	0.000	0.000	2088981.304	6023329.195	9331	GWS	1.49073256840
17864	0.000	0.000	0.000	2088980.129	6023330.508	8392	GWS	0.66195939982

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17865	0.000	0.000	0.000	2088978.382	6023332.189	7828	GWS	0.16416593116
17866	0.000	0.000	0.000	2088977.595	6023334.506	7417	GWS	-0.19858781995
17867	0.000	0.000	0.000	2088976.058	6023336.281	8274	GWS	0.55781112092
17868	0.000	0.000	0.000	2088974.674	6023338.083	8668	GWS	0.90556045896
17869	0.000	0.000	0.000	2088973.254	6023339.935	8527	GWS	0.78111209179
17870	0.000	0.000	0.000	2088971.560	6023341.414	7141	GWS	-0.44218887908
17871	0.000	0.000	0.000	2088970.525	6023343.327	7275	GWS	-0.32391879965
17872	0.000	0.000	0.000	2088968.653	6023344.913	7818	GWS	0.15533980583
17873	0.000	0.000	0.000	2088967.833	6023347.154	7234	GWS	-0.36010591350
17874	0.000	0.000	0.000	2088966.282	6023349.068	7568	GWS	-0.06531332745
17875	0.000	0.000	0.000	2088964.478	6023350.886	7022	GWS	-0.54721977052
17876	0.000	0.000	0.000	2088963.540	6023353.159	8265	GWS	0.54986760812
17877	0.000	0.000	0.000	2088961.579	6023354.757	8456	GWS	0.71844660194
17878	0.000	0.000	0.000	2088960.265	6023356.868	8204	GWS	0.49602824360
17879	0.000	0.000	0.000	2088958.897	6023359.109	7301	GWS	-0.30097087379
17880	0.000	0.000	0.000	2088957.252	6023360.994	7705	GWS	0.05560458959
17881	0.000	0.000	0.000	2088955.964	6023363.368	6366	GWS	-1.12621359223
17882	0.000	0.000	0.000	2088954.218	6023364.765	6871	GWS	-0.68049426302
17883	0.000	0.000	0.000	2088952.814	6023366.631	7747	GWS	0.09267431598
17884	0.000	0.000	0.000	2088951.644	6023368.975	7457	GWS	-0.16328331862
17885	0.000	0.000	0.000	2088949.863	6023370.204	7354	GWS	-0.25419240953
17886	0.000	0.000	0.000	2088949.334	6023372.271	5498	GWS	-1.89232127096
17887	0.000	0.000	0.000	2088947.919	6023373.166	4758	GWS	-2.54545454545
17888	0.000	0.000	0.000	2088946.521	6023374.086	5121	GWS	-2.22506619594
17889	0.000	0.000	0.000	2088946.127	6023374.246	6135	GWS	-1.33009708738
17890	0.000	0.000	0.000	2088946.993	6023375.433	6963	GWS	-0.59929390997
17891	0.000	0.000	0.000	2088948.215	6023374.301	7531	GWS	-0.09796999117
17892	0.000	0.000	0.000	2088949.179	6023372.765	8002	GWS	0.31774051192
17893	0.000	0.000	0.000	2088950.469	6023371.709	6860	GWS	-0.69020300088
17894	0.000	0.000	0.000	2088951.642	6023369.942	8225	GWS	0.51456310680
17895	0.000	0.000	0.000	2088952.036	6023368.931	7636	GWS	-0.00529567520
17896	0.000	0.000	0.000	2088952.198	6023369.730	8659	GWS	0.89761694616
17897	0.000	0.000	0.000	2088952.842	6023371.335	7384	GWS	-0.22771403354
17898	0.000	0.000	0.000	2088951.895	6023373.258	8686	GWS	0.92144748455
17899	0.000	0.000	0.000	2088951.343	6023375.499	9071	GWS	1.26125330980
17900	0.000	0.000	0.000	2088949.719	6023376.756	9678	GWS	1.79699911739
17901	0.000	0.000	0.000	2088947.537	6023377.345	8809	GWS	1.03000882613
17902	0.000	0.000	0.000	2088945.938	6023377.037	8784	GWS	1.00794351280
17903	0.000	0.000	0.000	2088944.287	6023377.330	7863	GWS	0.19505736982
17904	0.000	0.000	0.000	2088942.970	6023378.850	8985	GWS	1.18534863195
17905	0.000	0.000	0.000	2088941.612	6023380.548	7376	GWS	-0.23477493380
17906	0.000	0.000	0.000	2088941.010	6023382.683	6764	GWS	-0.77493380406
17907	0.000	0.000	0.000	2088939.295	6023384.360	7541	GWS	-0.08914386584
17908	0.000	0.000	0.000	2088938.098	6023386.216	7795	GWS	0.13503971756
17909	0.000	0.000	0.000	2088936.680	6023388.118	8158	GWS	0.45542806708

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17910	0.000	0.000	0.000	2088935.133	6023389.706	7409	GWS	-0.20564872021
17911	0.000	0.000	0.000	2088933.917	6023391.827	7672	GWS	0.02647837599
17912	0.000	0.000	0.000	2088932.442	6023392.987	8158	GWS	0.45542806708
17913	0.000	0.000	0.000	2088931.351	6023395.154	8879	GWS	1.09179170344
17914	0.000	0.000	0.000	2088929.782	6023397.026	9840	GWS	1.93998234775
17915	0.000	0.000	0.000	2088928.197	6023398.535	8310	GWS	0.58958517211
17916	0.000	0.000	0.000	2088926.880	6023400.991	7357	GWS	-0.25154457193
17917	0.000	0.000	0.000	2088925.200	6023402.322	7749	GWS	0.09443954104
17918	0.000	0.000	0.000	2088923.630	6023404.253	7817	GWS	0.15445719329
17919	0.000	0.000	0.000	2088922.453	6023406.521	8554	GWS	0.80494263019
17920	0.000	0.000	0.000	2088920.497	6023408.272	8198	GWS	0.49073256840
17921	0.000	0.000	0.000	2088919.656	6023410.246	7689	GWS	0.04148278906
17922	0.000	0.000	0.000	2088918.056	6023412.244	6812	GWS	-0.73256840247
17923	0.000	0.000	0.000	2088916.107	6023414.147	7426	GWS	-0.19064430715
17924	0.000	0.000	0.000	2088914.975	6023416.441	8743	GWS	0.97175639894
17925	0.000	0.000	0.000	2088913.192	6023418.016	7286	GWS	-0.31421006178
17926	0.000	0.000	0.000	2088912.350	6023419.725	5601	GWS	-1.80141218005
17927	0.000	0.000	0.000	2088911.302	6023420.753	5175	GWS	-2.17740511915
17928	0.000	0.000	0.000	2088909.710	6023421.611	5266	GWS	-2.09708737864
17929	0.000	0.000	0.000	2088909.449	6023421.688	6105	GWS	-1.35657546337
17930	0.000	0.000	0.000	2088910.402	6023422.595	5799	GWS	-1.62665489850
17931	0.000	0.000	0.000	2088911.644	6023421.931	5954	GWS	-1.48984995587
17932	0.000	0.000	0.000	2088912.552	6023420.512	6973	GWS	-0.59046778464
17933	0.000	0.000	0.000	2088914.165	6023419.223	6753	GWS	-0.78464254192
17934	0.000	0.000	0.000	2088915.513	6023418.489	8048	GWS	0.35834068844
17935	0.000	0.000	0.000	2088916.012	6023418.773	8252	GWS	0.53839364519
17936	0.000	0.000	0.000	2088915.432	6023420.702	9563	GWS	1.69549867608
17937	0.000	0.000	0.000	2088914.102	6023422.580	9980	GWS	2.06354810238
17938	0.000	0.000	0.000	2088912.991	6023424.617	10115	GWS	2.18270079435
17939	0.000	0.000	0.000	2088911.453	6023424.663	9668	GWS	1.78817299206
17940	0.000	0.000	0.000	2088909.256	6023424.792	9197	GWS	1.37246248897
17941	0.000	0.000	0.000	2088907.926	6023424.439	9079	GWS	1.26831421006
17942	0.000	0.000	0.000	2088907.561	6023424.981	7909	GWS	0.23565754634
17943	0.000	0.000	0.000	2088909.035	6023425.369	7767	GWS	0.11032656664
17944	0.000	0.000	0.000	2088911.398	6023425.246	8752	GWS	0.97969991174
17945	0.000	0.000	0.000	2088913.002	6023423.744	8728	GWS	0.95851721094
17946	0.000	0.000	0.000	2088914.853	6023422.482	7852	GWS	0.18534863195
17947	0.000	0.000	0.000	2088915.502	6023420.484	8683	GWS	0.91879964696
17948	0.000	0.000	0.000	2088915.420	6023418.489	8740	GWS	0.96910856134
17949	0.000	0.000	0.000	2088915.644	6023416.416	8305	GWS	0.58517210944
17950	0.000	0.000	0.000	2088916.272	6023416.619	8526	GWS	0.78022947926
17951	0.000	0.000	0.000	2088915.855	6023418.749	7801	GWS	0.14033539276
17952	0.000	0.000	0.000	2088915.397	6023421.626	9120	GWS	1.30450132392
17953	0.000	0.000	0.000	2088913.869	6023423.653	10290	GWS	2.33715798764
17954	0.000	0.000	0.000	2088911.950	6023424.940	9742	GWS	1.85348631951

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
17955	0.000	0.000	0.000	2088909.667	6023425.539	9485	GWS	1.62665489850
17956	0.000	0.000	0.000	2088907.268	6023425.972	8461	GWS	0.72285966461
17957	0.000	0.000	0.000	2088906.102	6023427.765	7695	GWS	0.04677846425
17958	0.000	0.000	0.000	2088904.497	6023429.355	7143	GWS	-0.44042365402
17959	0.000	0.000	0.000	2088902.901	6023431.370	7996	GWS	0.31244483672
17960	0.000	0.000	0.000	2088902.043	6023433.426	8269	GWS	0.55339805825
17961	0.000	0.000	0.000	2088900.337	6023435.025	7557	GWS	-0.07502206531
17962	0.000	0.000	0.000	2088899.046	6023436.970	7109	GWS	-0.47043248014
17963	0.000	0.000	0.000	2088897.608	6023438.481	8827	GWS	1.04589585172
17964	0.000	0.000	0.000	2088895.861	6023440.045	8206	GWS	0.49779346867
17965	0.000	0.000	0.000	2088894.929	6023442.069	7841	GWS	0.17563989409
17966	0.000	0.000	0.000	2088893.419	6023443.830	7570	GWS	-0.06354810238
17967	0.000	0.000	0.000	2088892.584	6023446.002	7892	GWS	0.22065313327
17968	0.000	0.000	0.000	2088890.796	6023447.566	8093	GWS	0.39805825243
17969	0.000	0.000	0.000	2088889.226	6023449.498	8083	GWS	0.38923212710
17970	0.000	0.000	0.000	2088887.879	6023451.227	7481	GWS	-0.14210061783
17971	0.000	0.000	0.000	2088886.306	6023453.131	6760	GWS	-0.77846425419
17972	0.000	0.000	0.000	2088885.546	6023455.312	7120	GWS	-0.46072374228
17973	0.000	0.000	0.000	2088883.832	6023456.936	8860	GWS	1.07502206531
17974	0.000	0.000	0.000	2088882.341	6023458.744	8275	GWS	0.55869373345
17975	0.000	0.000	0.000	2088880.775	6023460.753	6928	GWS	-0.63018534863
17976	0.000	0.000	0.000	2088879.019	6023461.896	8242	GWS	0.52956751986
17977	0.000	0.000	0.000	2088878.213	6023464.164	8060	GWS	0.36893203884
17978	0.000	0.000	0.000	2088876.950	6023465.418	7565	GWS	-0.06796116505
17979	0.000	0.000	0.000	2088876.392	6023467.576	5611	GWS	-1.79258605472
17980	0.000	0.000	0.000	2088874.940	6023468.106	4963	GWS	-2.36451897617
17981	0.000	0.000	0.000	2088873.537	6023469.404	5012	GWS	-2.32127096205
17982	0.000	0.000	0.000	2088872.368	6023469.470	6299	GWS	-1.18534863195
17983	0.000	0.000	0.000	2088873.565	6023470.324	7125	GWS	-0.45631067961
17984	0.000	0.000	0.000	2088874.787	6023469.717	7511	GWS	-0.11562224184
17985	0.000	0.000	0.000	2088876.507	6023468.799	7907	GWS	0.23389232127
17986	0.000	0.000	0.000	2088876.847	6023466.807	7376	GWS	-0.23477493380
17987	0.000	0.000	0.000	2088878.145	6023465.920	8684	GWS	0.91968225949
17988	0.000	0.000	0.000	2088879.010	6023464.020	8201	GWS	0.49338040600
17989	0.000	0.000	0.000	2088879.726	6023464.887	8260	GWS	0.54545454546
17990	0.000	0.000	0.000	2088879.536	6023466.815	9565	GWS	1.69726390115
17991	0.000	0.000	0.000	2088878.959	6023469.445	8511	GWS	0.76699029126
17992	0.000	0.000	0.000	2088877.609	6023470.924	8607	GWS	0.85172109444
17993	0.000	0.000	0.000	2088875.903	6023472.343	9142	GWS	1.32391879965
17994	0.000	0.000	0.000	2088874.235	6023472.685	8345	GWS	0.62047661077
17995	0.000	0.000	0.000	2088873.126	6023472.105	9346	GWS	1.50397175640
17996	0.000	0.000	0.000	2088871.988	6023471.829	9086	GWS	1.27449249779
17997	0.000	0.000	0.000	2088871.503	6023473.170	7821	GWS	0.15798764343
17998	0.000	0.000	0.000	2088870.033	6023474.261	6875	GWS	-0.67696381289
17999	0.000	0.000	0.000	2088868.523	6023476.100	7688	GWS	0.04060017652

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18000	0.000	0.000	0.000	2088867.465	6023478.199	8342	GWS	0.61782877317
18001	0.000	0.000	0.000	2088865.797	6023479.422	7725	GWS	0.07325684025
18002	0.000	0.000	0.000	2088864.991	6023481.526	8351	GWS	0.62577228597
18003	0.000	0.000	0.000	2088863.771	6023483.431	7728	GWS	0.07590467785
18004	0.000	0.000	0.000	2088862.760	6023484.792	7152	GWS	-0.43248014122
18005	0.000	0.000	0.000	2088861.561	6023486.627	7938	GWS	0.26125330980
18006	0.000	0.000	0.000	2088859.563	6023487.770	8284	GWS	0.56663724625
18007	0.000	0.000	0.000	2088858.441	6023489.927	6301	GWS	-1.18358340688
18008	0.000	0.000	0.000	2088856.858	6023491.575	7425	GWS	-0.19152691968
18009	0.000	0.000	0.000	2088855.388	6023493.460	7436	GWS	-0.18181818182
18010	0.000	0.000	0.000	2088854.607	6023495.800	5879	GWS	-1.55604589585
18011	0.000	0.000	0.000	2088853.014	6023497.198	7604	GWS	-0.03353927626
18012	0.000	0.000	0.000	2088852.222	6023499.290	7882	GWS	0.21182700794
18013	0.000	0.000	0.000	2088850.487	6023500.402	7195	GWS	-0.39452780230
18014	0.000	0.000	0.000	2088848.865	6023501.695	6838	GWS	-0.70962047661
18015	0.000	0.000	0.000	2088847.880	6023503.585	7289	GWS	-0.31156222418
18016	0.000	0.000	0.000	2088846.408	6023505.135	8212	GWS	0.50308914387
18017	0.000	0.000	0.000	2088845.598	6023507.283	7813	GWS	0.15092674316
18018	0.000	0.000	0.000	2088843.787	6023508.472	6573	GWS	-0.94351279788
18019	0.000	0.000	0.000	2088842.989	6023510.315	6353	GWS	-1.13768755516
18020	0.000	0.000	0.000	2088841.330	6023511.520	5338	GWS	-2.03353927626
18021	0.000	0.000	0.000	2088840.562	6023512.786	4322	GWS	-2.93027360989
18022	0.000	0.000	0.000	2088839.194	6023513.762	4921	GWS	-2.40158870256
18023	0.000	0.000	0.000	2088837.798	6023514.241	6030	GWS	-1.42277140335
18024	0.000	0.000	0.000	2088838.587	6023514.997	6221	GWS	-1.25419240953
18025	0.000	0.000	0.000	2088839.655	6023514.487	5665	GWS	-1.74492497793
18026	0.000	0.000	0.000	2088841.383	6023513.776	6159	GWS	-1.30891438658
18027	0.000	0.000	0.000	2088842.120	6023512.099	7360	GWS	-0.24889673433
18028	0.000	0.000	0.000	2088843.959	6023511.313	7930	GWS	0.25419240953
18029	0.000	0.000	0.000	2088844.592	6023509.024	8162	GWS	0.45895851721
18030	0.000	0.000	0.000	2088844.870	6023508.937	7680	GWS	0.03353927626
18031	0.000	0.000	0.000	2088845.099	6023510.227	7440	GWS	-0.17828773169
18032	0.000	0.000	0.000	2088845.203	6023512.516	7650	GWS	0.00706090026
18033	0.000	0.000	0.000	2088844.174	6023514.758	9052	GWS	1.24448367167
18034	0.000	0.000	0.000	2088842.822	6023516.797	9013	GWS	1.21006178288
18035	0.000	0.000	0.000	2088840.730	6023517.190	8703	GWS	0.93645189762
18036	0.000	0.000	0.000	2088838.704	6023517.392	9555	GWS	1.68843777582
18037	0.000	0.000	0.000	2088837.188	6023516.813	8898	GWS	1.10856134157
18038	0.000	0.000	0.000	2088836.405	6023518.109	7864	GWS	0.19593998235
18039	0.000	0.000	0.000	2088834.972	6023519.799	7006	GWS	-0.56134157105
18040	0.000	0.000	0.000	2088833.993	6023521.669	7721	GWS	0.06972639011
18041	0.000	0.000	0.000	2088832.665	6023523.679	7690	GWS	0.04236540159
18042	0.000	0.000	0.000	2088830.811	6023525.086	7322	GWS	-0.28243601059
18043	0.000	0.000	0.000	2088829.819	6023527.144	7290	GWS	-0.31067961165
18044	0.000	0.000	0.000	2088827.946	6023528.571	7552	GWS	-0.07943512798



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18045	0.000	0.000	0.000	2088826.619	6023530.713	7738	GWS	0.08473080318
18046	0.000	0.000	0.000	2088825.452	6023532.391	8354	GWS	0.62842012357
18047	0.000	0.000	0.000	2088823.751	6023533.879	8208	GWS	0.49955869373
18048	0.000	0.000	0.000	2088823.657	6023535.769	8502	GWS	0.75904677846
18049	0.000	0.000	0.000	2088823.156	6023537.584	10315	GWS	2.35922330097
18050	0.000	0.000	0.000	2088822.975	6023539.706	9809	GWS	1.91262135922
18051	0.000	0.000	0.000	2088821.513	6023540.769	9892	GWS	1.98587819947
18052	0.000	0.000	0.000	2088820.722	6023542.605	9433	GWS	1.58075904678
18053	0.000	0.000	0.000	2088819.165	6023543.192	10338	GWS	2.37952338923
18054	0.000	0.000	0.000	2088817.913	6023544.014	11674	GWS	3.55869373345
18055	0.000	0.000	0.000	2088816.650	6023544.727	9158	GWS	1.33804060018
18056	0.000	0.000	0.000	2088815.101	6023545.609	9069	GWS	1.25948808473
18057	0.000	0.000	0.000	2088814.313	6023546.966	8657	GWS	0.89585172109
18058	0.000	0.000	0.000	2088812.829	6023547.520	8194	GWS	0.48720211827
18059	0.000	0.000	0.000	2088813.466	6023548.085	7628	GWS	-0.01235657546
18060	0.000	0.000	0.000	2088814.503	6023549.528	7457	GWS	-0.16328331862
18061	0.000	0.000	0.000	2088815.237	6023551.812	7654	GWS	0.01059135040
18062	0.000	0.000	0.000	2088813.962	6023553.439	6923	GWS	-0.63459841130
18063	0.000	0.000	0.000	2088812.554	6023555.384	8061	GWS	0.36981465137
18064	0.000	0.000	0.000	2088810.470	6023555.369	6515	GWS	-0.99470432480
18065	0.000	0.000	0.000	2088808.783	6023554.760	7658	GWS	0.01412180053
18066	0.000	0.000	0.000	2088808.068	6023556.357	7344	GWS	-0.26301853486
18067	0.000	0.000	0.000	2088806.483	6023557.827	6156	GWS	-1.31156222418
18068	0.000	0.000	0.000	2088806.003	6023559.497	5743	GWS	-1.67608120035
18069	0.000	0.000	0.000	2088804.299	6023559.981	5000	GWS	-2.33186231244
18070	0.000	0.000	0.000	2088803.033	6023561.461	5182	GWS	-2.17122683142
18071	0.000	0.000	0.000	2088801.883	6023561.763	6050	GWS	-1.40511915269
18072	0.000	0.000	0.000	2088802.782	6023562.819	6918	GWS	-0.63901147396
18073	0.000	0.000	0.000	2088804.009	6023561.641	7249	GWS	-0.34686672551
18074	0.000	0.000	0.000	2088805.587	6023560.618	6912	GWS	-0.64430714916
18075	0.000	0.000	0.000	2088806.826	6023559.155	7488	GWS	-0.13592233010
18076	0.000	0.000	0.000	2088807.795	6023558.015	7902	GWS	0.22947925861
18077	0.000	0.000	0.000	2088808.495	6023557.204	7735	GWS	0.08208296558
18078	0.000	0.000	0.000	2088808.203	6023558.859	7874	GWS	0.20476610768
18079	0.000	0.000	0.000	2088808.303	6023561.431	10188	GWS	2.24713150927
18080	0.000	0.000	0.000	2088806.945	6023563.336	9027	GWS	1.22241835834
18081	0.000	0.000	0.000	2088805.190	6023565.250	8826	GWS	1.04501323919
18082	0.000	0.000	0.000	2088803.156	6023564.826	8656	GWS	0.89496910856
18083	0.000	0.000	0.000	2088801.605	6023564.565	8254	GWS	0.54015887026
18084	0.000	0.000	0.000	2088799.980	6023565.769	7613	GWS	-0.02559576346
18085	0.000	0.000	0.000	2088798.613	6023567.645	8143	GWS	0.44218887908
18086	0.000	0.000	0.000	2088797.565	6023570.051	8486	GWS	0.74492497794
18087	0.000	0.000	0.000	2088795.733	6023571.793	7221	GWS	-0.37157987643
18088	0.000	0.000	0.000	2088794.033	6023573.715	7115	GWS	-0.46513680494
18089	0.000	0.000	0.000	2088792.740	6023575.997	7478	GWS	-0.14474845543

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18090	0.000	0.000	0.000	2088791.021	6023577.564	6939	GWS	-0.62047661077
18091	0.000	0.000	0.000	2088789.837	6023579.576	6625	GWS	-0.89761694616
18092	0.000	0.000	0.000	2088788.309	6023581.705	6846	GWS	-0.70255957635
18093	0.000	0.000	0.000	2088786.618	6023583.603	6991	GWS	-0.57458075905
18094	0.000	0.000	0.000	2088785.331	6023585.608	7807	GWS	0.14563106796
18095	0.000	0.000	0.000	2088783.491	6023587.050	7472	GWS	-0.15004413063
18096	0.000	0.000	0.000	2088782.137	6023589.307	8468	GWS	0.72903795234
18097	0.000	0.000	0.000	2088780.689	6023591.177	8207	GWS	0.49867608120
18098	0.000	0.000	0.000	2088779.277	6023593.242	7151	GWS	-0.43336275375
18099	0.000	0.000	0.000	2088778.281	6023595.417	8508	GWS	0.76434245366
18100	0.000	0.000	0.000	2088776.399	6023596.728	7617	GWS	-0.02206531333
18101	0.000	0.000	0.000	2088775.082	6023598.985	8414	GWS	0.68137687555
18102	0.000	0.000	0.000	2088773.384	6023600.292	8313	GWS	0.59223300971
18103	0.000	0.000	0.000	2088772.101	6023601.461	7268	GWS	-0.33009708738
18104	0.000	0.000	0.000	2088770.997	6023603.749	7787	GWS	0.12797881730
18105	0.000	0.000	0.000	2088769.668	6023604.981	6386	GWS	-1.10856134157
18106	0.000	0.000	0.000	2088769.290	6023607.278	5196	GWS	-2.15887025596
18107	0.000	0.000	0.000	2088767.992	6023608.164	3950	GWS	-3.25860547220
18108	0.000	0.000	0.000	2088766.691	6023609.932	4430	GWS	-2.83495145631
18109	0.000	0.000	0.000	2088765.861	6023611.036	5499	GWS	-1.89143865843
18110	0.000	0.000	0.000	2088764.897	6023612.689	6408	GWS	-1.08914386584
18111	0.000	0.000	0.000	2088765.102	6023613.000	7572	GWS	-0.06178287732
18112	0.000	0.000	0.000	2088766.754	6023612.109	6783	GWS	-0.75816416593
18113	0.000	0.000	0.000	2088769.156	6023611.465	6705	GWS	-0.82700794351
18114	0.000	0.000	0.000	2088770.405	6023609.584	8396	GWS	0.66548984996
18115	0.000	0.000	0.000	2088771.029	6023608.431	7769	GWS	0.11209179170
18116	0.000	0.000	0.000	2088772.155	6023607.528	6712	GWS	-0.82082965578
18117	0.000	0.000	0.000	2088772.454	6023606.742	7078	GWS	-0.49779346867
18118	0.000	0.000	0.000	2088772.151	6023605.787	7559	GWS	-0.07325684025
18119	0.000	0.000	0.000	2088772.000	6023607.582	8130	GWS	0.43071491615
18120	0.000	0.000	0.000	2088771.154	6023610.154	8392	GWS	0.66195939982
18121	0.000	0.000	0.000	2088769.306	6023611.584	8338	GWS	0.61429832304
18122	0.000	0.000	0.000	2088766.945	6023612.606	9494	GWS	1.63459841130
18123	0.000	0.000	0.000	2088764.837	6023611.923	8463	GWS	0.72462488967
18124	0.000	0.000	0.000	2088763.301	6023613.473	7395	GWS	-0.21800529568
18125	0.000	0.000	0.000	2088761.973	6023615.652	6708	GWS	-0.82436010591
18126	0.000	0.000	0.000	2088760.261	6023617.554	7767	GWS	0.11032656664
18127	0.000	0.000	0.000	2088759.127	6023619.974	6922	GWS	-0.63548102383
18128	0.000	0.000	0.000	2088757.514	6023622.192	7520	GWS	-0.10767872904
18129	0.000	0.000	0.000	2088755.950	6023624.086	8180	GWS	0.47484554281
18130	0.000	0.000	0.000	2088754.708	6023626.490	7055	GWS	-0.51809355693
18131	0.000	0.000	0.000	2088752.931	6023627.916	8273	GWS	0.55692850839
18132	0.000	0.000	0.000	2088751.615	6023629.831	7678	GWS	0.03177405119
18133	0.000	0.000	0.000	2088750.252	6023632.061	6719	GWS	-0.81465136805
18134	0.000	0.000	0.000	2088748.409	6023633.554	8790	GWS	1.01323918800

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18135	0.000	0.000	0.000	2088747.282	6023635.660	7987	GWS	0.30450132392
18136	0.000	0.000	0.000	2088745.616	6023637.399	6976	GWS	-0.58781994704
18137	0.000	0.000	0.000	2088744.060	6023639.311	7804	GWS	0.14298323036
18138	0.000	0.000	0.000	2088742.996	6023641.800	8041	GWS	0.35216240071
18139	0.000	0.000	0.000	2088741.233	6023643.164	7530	GWS	-0.09885260371
18140	0.000	0.000	0.000	2088739.978	6023645.070	7582	GWS	-0.05295675199
18141	0.000	0.000	0.000	2088738.650	6023647.125	7565	GWS	-0.06796116505
18142	0.000	0.000	0.000	2088737.049	6023648.505	8341	GWS	0.61694616064
18143	0.000	0.000	0.000	2088736.071	6023650.467	8235	GWS	0.52338923213
18144	0.000	0.000	0.000	2088734.380	6023651.581	7717	GWS	0.06619593998
18145	0.000	0.000	0.000	2088733.250	6023653.857	6139	GWS	-1.32656663725
18146	0.000	0.000	0.000	2088732.228	6023655.679	5015	GWS	-2.31862312445
18147	0.000	0.000	0.000	2088730.970	6023656.749	4688	GWS	-2.60723742277
18148	0.000	0.000	0.000	2088729.752	6023657.028	5674	GWS	-1.73698146514
18149	0.000	0.000	0.000	2088729.268	6023657.305	6394	GWS	-1.10150044131
18150	0.000	0.000	0.000	2088730.335	6023658.106	6608	GWS	-0.91262135922
18151	0.000	0.000	0.000	2088731.890	6023657.021	5958	GWS	-1.48631950574
18152	0.000	0.000	0.000	2088732.762	6023655.365	6381	GWS	-1.11297440424
18153	0.000	0.000	0.000	2088735.120	6023653.740	7265	GWS	-0.33274492498
18154	0.000	0.000	0.000	2088736.236	6023652.939	8506	GWS	0.76257722860
18155	0.000	0.000	0.000	2088736.130	6023655.120	8726	GWS	0.95675198588
18156	0.000	0.000	0.000	2088735.240	6023657.414	9291	GWS	1.45542806708
18157	0.000	0.000	0.000	2088733.496	6023659.499	8023	GWS	0.33627537511
18158	0.000	0.000	0.000	2088731.076	6023659.979	8845	GWS	1.06178287732
18159	0.000	0.000	0.000	2088728.798	6023660.161	8211	GWS	0.50220653133
18160	0.000	0.000	0.000	2088727.136	6023660.980	7885	GWS	0.21447484554
18161	0.000	0.000	0.000	2088725.422	6023662.705	7375	GWS	-0.23565754634
18162	0.000	0.000	0.000	2088724.644	6023665.139	7784	GWS	0.12533097970
18163	0.000	0.000	0.000	2088723.055	6023667.044	7046	GWS	-0.52603706973
18164	0.000	0.000	0.000	2088721.711	6023669.212	7221	GWS	-0.37157987643
18165	0.000	0.000	0.000	2088720.252	6023671.435	8585	GWS	0.83230361871
18166	0.000	0.000	0.000	2088718.365	6023672.847	6796	GWS	-0.74669020300
18167	0.000	0.000	0.000	2088717.332	6023675.056	6709	GWS	-0.82347749338
18168	0.000	0.000	0.000	2088715.779	6023677.076	7917	GWS	0.24271844660
18169	0.000	0.000	0.000	2088714.027	6023678.722	8099	GWS	0.40335392763
18170	0.000	0.000	0.000	2088712.865	6023681.088	6645	GWS	-0.87996469550
18171	0.000	0.000	0.000	2088711.025	6023682.901	8351	GWS	0.62577228597
18172	0.000	0.000	0.000	2088709.514	6023684.782	9047	GWS	1.24007060900
18173	0.000	0.000	0.000	2088708.099	6023687.001	8111	GWS	0.41394527802
18174	0.000	0.000	0.000	2088706.214	6023688.486	8148	GWS	0.44660194175
18175	0.000	0.000	0.000	2088704.528	6023690.564	7707	GWS	0.05736981465
18176	0.000	0.000	0.000	2088703.639	6023692.976	6906	GWS	-0.64960282436
18177	0.000	0.000	0.000	2088701.858	6023694.613	8236	GWS	0.52427184466
18178	0.000	0.000	0.000	2088700.399	6023696.680	7399	GWS	-0.21447484554
18179	0.000	0.000	0.000	2088699.147	6023698.564	7309	GWS	-0.29390997352

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18180	0.000	0.000	0.000	2088697.486	6023699.758	7737	GWS	0.08384819064
18181	0.000	0.000	0.000	2088696.278	6023701.524	6194	GWS	-1.27802294793
18182	0.000	0.000	0.000	2088695.269	6023703.370	4452	GWS	-2.81553398058
18183	0.000	0.000	0.000	2088694.064	6023703.963	4119	GWS	-3.10944395410
18184	0.000	0.000	0.000	2088692.675	6023704.884	5175	GWS	-2.17740511915
18185	0.000	0.000	0.000	2088692.682	6023705.272	5528	GWS	-1.86584289497
18186	0.000	0.000	0.000	2088694.277	6023705.330	5629	GWS	-1.77669902913
18187	0.000	0.000	0.000	2088695.259	6023704.192	6431	GWS	-1.06884377758
18188	0.000	0.000	0.000	2088696.505	6023703.206	6827	GWS	-0.71932921448
18189	0.000	0.000	0.000	2088697.346	6023702.174	7676	GWS	0.03000882613
18190	0.000	0.000	0.000	2088698.441	6023700.511	8399	GWS	0.66813768756
18191	0.000	0.000	0.000	2088699.051	6023699.420	8820	GWS	1.03971756399
18192	0.000	0.000	0.000	2088698.915	6023700.964	8325	GWS	0.60282436011
18193	0.000	0.000	0.000	2088699.436	6023703.465	8681	GWS	0.91703442189
18194	0.000	0.000	0.000	2088698.028	6023705.421	8710	GWS	0.94263018535
18195	0.000	0.000	0.000	2088695.944	6023707.377	8117	GWS	0.41924095322
18196	0.000	0.000	0.000	2088694.072	6023708.080	8839	GWS	1.05648720212
18197	0.000	0.000	0.000	2088692.016	6023707.560	8989	GWS	1.18887908208
18198	0.000	0.000	0.000	2088690.823	6023708.713	7617	GWS	-0.02206531333
18199	0.000	0.000	0.000	2088688.991	6023710.238	8414	GWS	0.68137687555
18200	0.000	0.000	0.000	2088687.843	6023712.688	7383	GWS	-0.22859664607
18201	0.000	0.000	0.000	2088686.513	6023715.014	7155	GWS	-0.42983230362
18202	0.000	0.000	0.000	2088684.844	6023716.969	7548	GWS	-0.08296557811
18203	0.000	0.000	0.000	2088683.416	6023719.400	7227	GWS	-0.36628420124
18204	0.000	0.000	0.000	2088681.664	6023721.666	6427	GWS	-1.07237422771
18205	0.000	0.000	0.000	2088680.036	6023723.445	6916	GWS	-0.64077669903
18206	0.000	0.000	0.000	2088678.636	6023725.830	7849	GWS	0.18270079435
18207	0.000	0.000	0.000	2088676.770	6023727.417	6372	GWS	-1.12091791703
18208	0.000	0.000	0.000	2088675.433	6023729.225	7173	GWS	-0.41394527802
18209	0.000	0.000	0.000	2088674.244	6023731.279	7313	GWS	-0.29037952339
18210	0.000	0.000	0.000	2088672.229	6023732.732	7168	GWS	-0.41835834069
18211	0.000	0.000	0.000	2088670.714	6023735.047	7312	GWS	-0.29126213592
18212	0.000	0.000	0.000	2088669.005	6023737.203	7288	GWS	-0.31244483672
18213	0.000	0.000	0.000	2088667.079	6023739.107	7372	GWS	-0.23830538394
18214	0.000	0.000	0.000	2088666.026	6023741.392	7573	GWS	-0.06090026478
18215	0.000	0.000	0.000	2088664.176	6023743.387	7113	GWS	-0.46690203001
18216	0.000	0.000	0.000	2088662.231	6023745.526	6398	GWS	-1.09796999117
18217	0.000	0.000	0.000	2088661.473	6023747.557	7059	GWS	-0.51456310680
18218	0.000	0.000	0.000	2088660.078	6023748.775	7015	GWS	-0.55339805825
18219	0.000	0.000	0.000	2088658.920	6023750.815	5263	GWS	-2.09973521624
18220	0.000	0.000	0.000	2088657.357	6023752.275	5570	GWS	-1.82877316858
18221	0.000	0.000	0.000	2088655.873	6023752.367	5818	GWS	-1.60988526037
18222	0.000	0.000	0.000	2088656.472	6023753.456	6130	GWS	-1.33451015004
18223	0.000	0.000	0.000	2088657.837	6023752.519	6362	GWS	-1.12974404237
18224	0.000	0.000	0.000	2088659.253	6023751.635	7350	GWS	-0.25772285967

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18225	0.000	0.000	0.000	2088661.510	6023750.044	7867	GWS	0.19858781995
18226	0.000	0.000	0.000	2088662.965	6023749.820	7817	GWS	0.15445719329
18227	0.000	0.000	0.000	2088662.828	6023749.678	7834	GWS	0.16946160636
18228	0.000	0.000	0.000	2088662.621	6023751.966	8288	GWS	0.57016769638
18229	0.000	0.000	0.000	2088660.888	6023753.968	9392	GWS	1.54457193292
18230	0.000	0.000	0.000	2088658.811	6023755.415	9788	GWS	1.89408649603
18231	0.000	0.000	0.000	2088656.383	6023755.744	9647	GWS	1.76963812886
18232	0.000	0.000	0.000	2088654.549	6023755.446	8471	GWS	0.73168578994
18233	0.000	0.000	0.000	2088653.260	6023757.140	8388	GWS	0.65842894969
18234	0.000	0.000	0.000	2088652.216	6023759.518	8637	GWS	0.87819947043
18235	0.000	0.000	0.000	2088650.697	6023761.281	9599	GWS	1.72727272727
18236	0.000	0.000	0.000	2088649.421	6023763.767	8190	GWS	0.48367166814
18237	0.000	0.000	0.000	2088647.399	6023765.281	7717	GWS	0.06619593998
18238	0.000	0.000	0.000	2088645.935	6023767.594	9549	GWS	1.68314210062
18239	0.000	0.000	0.000	2088644.270	6023769.343	7727	GWS	0.07502206531
18240	0.000	0.000	0.000	2088642.950	6023771.127	5321	GWS	-2.04854368932
18241	0.000	0.000	0.000	2088642.013	6023773.476	6540	GWS	-0.97263901147
18242	0.000	0.000	0.000	2088640.269	6023774.732	8535	GWS	0.78817299206
18243	0.000	0.000	0.000	2088639.133	6023776.587	9003	GWS	1.20123565755
18244	0.000	0.000	0.000	2088637.668	6023778.489	8701	GWS	0.93468667255
18245	0.000	0.000	0.000	2088636.061	6023780.248	7995	GWS	0.31156222418
18246	0.000	0.000	0.000	2088634.982	6023782.333	8538	GWS	0.79082082966
18247	0.000	0.000	0.000	2088633.181	6023783.710	7474	GWS	-0.14827890556
18248	0.000	0.000	0.000	2088632.090	6023785.815	6968	GWS	-0.59488084731
18249	0.000	0.000	0.000	2088630.461	6023787.694	7592	GWS	-0.04413062665
18250	0.000	0.000	0.000	2088628.937	6023789.805	8228	GWS	0.51721094440
18251	0.000	0.000	0.000	2088627.494	6023791.720	8027	GWS	0.33980582524
18252	0.000	0.000	0.000	2088625.711	6023793.338	8486	GWS	0.74492497794
18253	0.000	0.000	0.000	2088624.761	6023795.666	8451	GWS	0.71403353928
18254	0.000	0.000	0.000	2088624.372	6023797.067	7453	GWS	-0.16681376876
18255	0.000	0.000	0.000	2088624.181	6023797.789	6153	GWS	-1.31421006178
18256	0.000	0.000	0.000	2088624.126	6023797.883	6848	GWS	-0.70079435128
18257	0.000	0.000	0.000	2088624.248	6023797.785	6542	GWS	-0.97087378641
18258	0.000	0.000	0.000	2088624.328	6023797.708	6225	GWS	-1.25066195940
18259	0.000	0.000	0.000	2088624.360	6023797.759	6476	GWS	-1.02912621359
18260	0.000	0.000	0.000	2088624.337	6023797.793	6568	GWS	-0.94792586055
18261	0.000	0.000	0.000	2088624.336	6023797.748	6922	GWS	-0.63548102383
18262	0.000	0.000	0.000	2088624.351	6023797.495	6650	GWS	-0.87555163283
18263	0.000	0.000	0.000	2088623.692	6023796.857	6102	GWS	-1.35922330097
18264	0.000	0.000	0.000	2088623.226	6023798.579	5468	GWS	-1.91879964695
18265	0.000	0.000	0.000	2088621.905	6023799.641	4508	GWS	-2.76610767873
18266	0.000	0.000	0.000	2088620.207	6023800.044	5153	GWS	-2.19682259488
18267	0.000	0.000	0.000	2088620.081	6023800.340	6228	GWS	-1.24801412180
18268	0.000	0.000	0.000	2088621.386	6023800.786	5907	GWS	-1.53133274492
18269	0.000	0.000	0.000	2088622.985	6023799.442	7300	GWS	-0.30185348632

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18270	0.000	0.000	0.000	2088623.711	6023798.018	6175	GWS	-1.29479258605
18271	0.000	0.000	0.000	2088625.510	6023797.620	7483	GWS	-0.14033539276
18272	0.000	0.000	0.000	2088626.601	6023796.396	7181	GWS	-0.40688437776
18273	0.000	0.000	0.000	2088626.783	6023797.928	8005	GWS	0.32038834952
18274	0.000	0.000	0.000	2088625.631	6023800.326	8481	GWS	0.74051191527
18275	0.000	0.000	0.000	2088623.656	6023801.991	8870	GWS	1.08384819064
18276	0.000	0.000	0.000	2088621.555	6023803.648	8337	GWS	0.61341571050
18277	0.000	0.000	0.000	2088619.567	6023803.188	8894	GWS	1.10503089144
18278	0.000	0.000	0.000	2088618.005	6023804.077	8073	GWS	0.38040600177
18279	0.000	0.000	0.000	2088616.202	6023805.815	7298	GWS	-0.30361871139
18280	0.000	0.000	0.000	2088614.791	6023807.773	7974	GWS	0.29302736099
18281	0.000	0.000	0.000	2088613.656	6023809.724	6763	GWS	-0.77581641659
18282	0.000	0.000	0.000	2088611.878	6023811.317	7541	GWS	-0.08914386584
18283	0.000	0.000	0.000	2088610.885	6023813.623	8185	GWS	0.47925860547
18284	0.000	0.000	0.000	2088609.262	6023815.120	7566	GWS	-0.06707855252
18285	0.000	0.000	0.000	2088607.898	6023817.104	7921	GWS	0.24624889673
18286	0.000	0.000	0.000	2088606.523	6023819.253	8130	GWS	0.43071491615
18287	0.000	0.000	0.000	2088605.150	6023821.088	7965	GWS	0.28508384819
18288	0.000	0.000	0.000	2088604.636	6023822.444	8750	GWS	0.97793468667
18289	0.000	0.000	0.000	2088604.894	6023823.823	8427	GWS	0.69285083848
18290	0.000	0.000	0.000	2088604.324	6023826.193	8467	GWS	0.72815533981
18291	0.000	0.000	0.000	2088602.552	6023828.112	9676	GWS	1.79523389232
18292	0.000	0.000	0.000	2088600.705	6023829.772	9379	GWS	1.53309796999
18293	0.000	0.000	0.000	2088598.757	6023830.408	9609	GWS	1.73609885260
18294	0.000	0.000	0.000	2088597.245	6023830.957	7576	GWS	-0.05825242718
18295	0.000	0.000	0.000	2088597.024	6023831.695	8434	GWS	0.69902912621
18296	0.000	0.000	0.000	2088595.775	6023832.122	6788	GWS	-0.75375110327
18297	0.000	0.000	0.000	2088594.951	6023833.044	7007	GWS	-0.56045895852
18298	0.000	0.000	0.000	2088596.233	6023834.462	7931	GWS	0.25507502207
18299	0.000	0.000	0.000	2088596.418	6023836.624	6483	GWS	-1.02294792586
18300	0.000	0.000	0.000	2088596.096	6023839.314	6930	GWS	-0.62842012357
18301	0.000	0.000	0.000	2088594.595	6023841.563	7312	GWS	-0.29126213592
18302	0.000	0.000	0.000	2088592.612	6023841.592	7018	GWS	-0.55075022065
18303	0.000	0.000	0.000	2088590.568	6023841.180	7214	GWS	-0.37775816417
18304	0.000	0.000	0.000	2088589.309	6023842.322	8103	GWS	0.40688437776
18305	0.000	0.000	0.000	2088587.717	6023844.166	7215	GWS	-0.37687555163
18306	0.000	0.000	0.000	2088586.680	6023845.643	5823	GWS	-1.60547219771
18307	0.000	0.000	0.000	2088585.832	6023846.832	5238	GWS	-2.12180052957
18308	0.000	0.000	0.000	2088584.139	6023847.837	4536	GWS	-2.74139452780
18309	0.000	0.000	0.000	2088583.728	6023848.304	6136	GWS	-1.32921447485
18310	0.000	0.000	0.000	2088584.284	6023848.539	7054	GWS	-0.51897616946
18311	0.000	0.000	0.000	2088585.605	6023848.181	6095	GWS	-1.36540158870
18312	0.000	0.000	0.000	2088587.141	6023846.653	7313	GWS	-0.29037952339
18313	0.000	0.000	0.000	2088588.156	6023846.109	8128	GWS	0.42894969109
18314	0.000	0.000	0.000	2088589.265	6023844.911	7282	GWS	-0.31774051192

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18315	0.000	0.000	0.000	2088589.169	6023844.800	7310	GWS	-0.29302736099
18316	0.000	0.000	0.000	2088589.061	6023844.814	7107	GWS	-0.47219770521
18317	0.000	0.000	0.000	2088589.103	6023844.762	7717	GWS	0.06619593998
18318	0.000	0.000	0.000	2088589.214	6023844.658	7839	GWS	0.17387466902
18319	0.000	0.000	0.000	2088589.569	6023843.539	7449	GWS	-0.17034421889
18320	0.000	0.000	0.000	2088590.430	6023843.543	8162	GWS	0.45895851721
18321	0.000	0.000	0.000	2088590.270	6023845.566	7980	GWS	0.29832303619
18322	0.000	0.000	0.000	2088589.800	6023848.428	8835	GWS	1.05295675199
18323	0.000	0.000	0.000	2088588.026	6023850.337	8148	GWS	0.44660194175
18324	0.000	0.000	0.000	2088585.717	6023851.344	7287	GWS	-0.31332744925
18325	0.000	0.000	0.000	2088583.557	6023851.494	9862	GWS	1.95939982348
18326	0.000	0.000	0.000	2088581.848	6023851.114	8345	GWS	0.62047661077
18327	0.000	0.000	0.000	2088580.558	6023852.847	7756	GWS	0.10061782877
18328	0.000	0.000	0.000	2088579.079	6023855.065	7519	GWS	-0.10856134157
18329	0.000	0.000	0.000	2088577.440	6023856.976	8719	GWS	0.95057369815
18330	0.000	0.000	0.000	2088576.576	6023859.143	9080	GWS	1.26919682259
18331	0.000	0.000	0.000	2088574.640	6023860.876	8180	GWS	0.47484554281
18332	0.000	0.000	0.000	2088572.971	6023862.615	7295	GWS	-0.30626654899
18333	0.000	0.000	0.000	2088571.744	6023864.304	7223	GWS	-0.36981465137
18334	0.000	0.000	0.000	2088570.093	6023866.034	7236	GWS	-0.35834068844
18335	0.000	0.000	0.000	2088568.934	6023868.417	7869	GWS	0.20035304501
18336	0.000	0.000	0.000	2088567.195	6023870.253	7877	GWS	0.20741394528
18337	0.000	0.000	0.000	2088565.901	6023872.100	6109	GWS	-1.35304501324
18338	0.000	0.000	0.000	2088564.535	6023874.139	7077	GWS	-0.49867608120
18339	0.000	0.000	0.000	2088563.253	6023875.916	7529	GWS	-0.09973521624
18340	0.000	0.000	0.000	2088562.671	6023878.360	7372	GWS	-0.23830538394
18341	0.000	0.000	0.000	2088561.001	6023879.839	7046	GWS	-0.52603706973
18342	0.000	0.000	0.000	2088559.857	6023882.013	9070	GWS	1.26037069726
18343	0.000	0.000	0.000	2088558.562	6023883.734	8357	GWS	0.63106796117
18344	0.000	0.000	0.000	2088556.509	6023885.112	7339	GWS	-0.26743159753
18345	0.000	0.000	0.000	2088555.165	6023887.027	7954	GWS	0.27537511033
18346	0.000	0.000	0.000	2088553.105	6023888.309	8738	GWS	0.96734333628
18347	0.000	0.000	0.000	2088552.875	6023890.400	7734	GWS	0.08120035305
18348	0.000	0.000	0.000	2088551.157	6023892.260	8053	GWS	0.36275375110
18349	0.000	0.000	0.000	2088550.242	6023892.642	5643	GWS	-1.76434245366
18350	0.000	0.000	0.000	2088549.157	6023894.506	4689	GWS	-2.60635481024
18351	0.000	0.000	0.000	2088548.115	6023895.282	5037	GWS	-2.29920564872
18352	0.000	0.000	0.000	2088546.788	6023895.878	5758	GWS	-1.66284201236
18353	0.000	0.000	0.000	2088547.730	6023896.513	6239	GWS	-1.23830538394
18354	0.000	0.000	0.000	2088549.006	6023895.424	5340	GWS	-2.03177405119
18355	0.000	0.000	0.000	2088550.265	6023893.883	5955	GWS	-1.48896734334
18356	0.000	0.000	0.000	2088552.321	6023892.282	7131	GWS	-0.45101500441
18357	0.000	0.000	0.000	2088553.610	6023891.673	8202	GWS	0.49426301854
18358	0.000	0.000	0.000	2088553.137	6023893.334	8230	GWS	0.51897616946
18359	0.000	0.000	0.000	2088552.518	6023895.976	8867	GWS	1.08120035305

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18360	0.000	0.000	0.000	2088551.016	6023897.647	9416	GWS	1.56575463372
18361	0.000	0.000	0.000	2088548.787	6023898.499	8744	GWS	0.97263901147
18362	0.000	0.000	0.000	2088546.846	6023898.546	9296	GWS	1.45984112974
18363	0.000	0.000	0.000	2088544.878	6023898.783	8864	GWS	1.07855251545
18364	0.000	0.000	0.000	2088543.528	6023900.594	8786	GWS	1.00970873786
18365	0.000	0.000	0.000	2088542.104	6023902.841	8406	GWS	0.67431597529
18366	0.000	0.000	0.000	2088541.175	6023904.654	7981	GWS	0.29920564872
18367	0.000	0.000	0.000	2088541.219	6023905.335	6555	GWS	-0.95939982348
18368	0.000	0.000	0.000	2088541.055	6023905.946	6498	GWS	-1.00970873786
18369	0.000	0.000	0.000	2088539.291	6023906.902	7564	GWS	-0.06884377758
18370	0.000	0.000	0.000	2088537.799	6023908.609	7411	GWS	-0.20388349515
18371	0.000	0.000	0.000	2088536.565	6023910.814	8242	GWS	0.52956751986
18372	0.000	0.000	0.000	2088534.516	6023912.721	7400	GWS	-0.21359223301
18373	0.000	0.000	0.000	2088533.031	6023914.950	7250	GWS	-0.34598411297
18374	0.000	0.000	0.000	2088531.966	6023917.218	8322	GWS	0.60017652251
18375	0.000	0.000	0.000	2088530.309	6023919.197	8440	GWS	0.70432480141
18376	0.000	0.000	0.000	2088528.687	6023921.183	7930	GWS	0.25419240953
18377	0.000	0.000	0.000	2088527.146	6023922.458	8282	GWS	0.56487202118
18378	0.000	0.000	0.000	2088525.747	6023924.264	7110	GWS	-0.46954986761
18379	0.000	0.000	0.000	2088524.657	6023924.653	7267	GWS	-0.33097969991
18380	0.000	0.000	0.000	2088525.221	6023924.517	7487	GWS	-0.13680494263
18381	0.000	0.000	0.000	2088525.147	6023925.034	6791	GWS	-0.75110326567
18382	0.000	0.000	0.000	2088524.524	6023927.167	8178	GWS	0.47308031774
18383	0.000	0.000	0.000	2088522.837	6023929.026	7384	GWS	-0.22771403354
18384	0.000	0.000	0.000	2088521.352	6023931.152	6916	GWS	-0.64077669903
18385	0.000	0.000	0.000	2088519.981	6023933.343	6709	GWS	-0.82347749338
18386	0.000	0.000	0.000	2088518.071	6023934.729	7977	GWS	0.29567519859
18387	0.000	0.000	0.000	2088516.605	6023937.101	7484	GWS	-0.13945278023
18388	0.000	0.000	0.000	2088514.784	6023939.104	6251	GWS	-1.22771403354
18389	0.000	0.000	0.000	2088513.977	6023940.633	7172	GWS	-0.41482789056
18390	0.000	0.000	0.000	2088512.737	6023942.087	5044	GWS	-2.29302736099
18391	0.000	0.000	0.000	2088511.080	6023942.975	4667	GWS	-2.62577228597
18392	0.000	0.000	0.000	2088510.368	6023943.457	5475	GWS	-1.91262135922
18393	0.000	0.000	0.000	2088511.393	6023943.983	6342	GWS	-1.14739629303
18394	0.000	0.000	0.000	2088512.916	6023943.132	6955	GWS	-0.60635481024
18395	0.000	0.000	0.000	2088513.470	6023941.440	7349	GWS	-0.25860547220
18396	0.000	0.000	0.000	2088514.749	6023939.588	7417	GWS	-0.19858781995
18397	0.000	0.000	0.000	2088516.342	6023937.781	7704	GWS	0.05472197705
18398	0.000	0.000	0.000	2088516.009	6023937.076	6906	GWS	-0.64960282436
18399	0.000	0.000	0.000	2088516.171	6023938.060	8476	GWS	0.73609885260
18400	0.000	0.000	0.000	2088516.303	6023940.163	8689	GWS	0.92409532215
18401	0.000	0.000	0.000	2088516.130	6023942.993	9072	GWS	1.26213592233
18402	0.000	0.000	0.000	2088514.405	6023944.997	9528	GWS	1.66460723742
18403	0.000	0.000	0.000	2088512.559	6023946.432	8832	GWS	1.05030891439
18404	0.000	0.000	0.000	2088510.382	6023946.520	8478	GWS	0.73786407767



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18405	0.000	0.000	0.000	2088508.544	6023946.264	7999	GWS	0.31509267432
18406	0.000	0.000	0.000	2088507.444	6023948.134	7999	GWS	0.31509267432
18407	0.000	0.000	0.000	2088505.932	6023949.888	7910	GWS	0.23654015887
18408	0.000	0.000	0.000	2088504.964	6023951.749	7557	GWS	-0.07502206531
18409	0.000	0.000	0.000	2088503.519	6023953.583	8099	GWS	0.40335392763
18410	0.000	0.000	0.000	2088502.023	6023955.146	7545	GWS	-0.08561341571
18411	0.000	0.000	0.000	2088500.775	6023956.994	6656	GWS	-0.87025595764
18412	0.000	0.000	0.000	2088498.884	6023958.292	7544	GWS	-0.08649602824
18413	0.000	0.000	0.000	2088497.954	6023959.458	7556	GWS	-0.07590467785
18414	0.000	0.000	0.000	2088498.185	6023960.125	7469	GWS	-0.15269196823
18415	0.000	0.000	0.000	2088499.802	6023961.895	8107	GWS	0.41041482789
18416	0.000	0.000	0.000	2088502.122	6023961.418	7546	GWS	-0.08473080318
18417	0.000	0.000	0.000	2088504.189	6023962.679	8036	GWS	0.34774933804
18418	0.000	0.000	0.000	2088506.571	6023964.498	8849	GWS	1.06531332745
18419	0.000	0.000	0.000	2088508.825	6023965.447	6742	GWS	-0.79435127979
18420	0.000	0.000	0.000	2088509.752	6023967.040	8165	GWS	0.46160635481
18421	0.000	0.000	0.000	2088510.259	6023967.475	7441	GWS	-0.17740511915
18422	0.000	0.000	0.000	2088509.694	6023966.539	7020	GWS	-0.54898499559
18423	0.000	0.000	0.000	2088509.160	6023965.511	7185	GWS	-0.40335392763
18424	0.000	0.000	0.000	2088509.743	6023964.970	7406	GWS	-0.20829655781
18425	0.000	0.000	0.000	2088512.513	6023964.699	7672	GWS	0.02647837599
18426	0.000	0.000	0.000	2088512.813	6023964.807	7408	GWS	-0.20653133275
18427	0.000	0.000	0.000	2088512.784	6023964.916	7162	GWS	-0.42365401589
18428	0.000	0.000	0.000	2088512.750	6023964.946	7070	GWS	-0.50485436893
18429	0.000	0.000	0.000	2088512.845	6023964.837	6657	GWS	-0.86937334510
18430	0.000	0.000	0.000	2088512.111	6023964.419	7094	GWS	-0.48367166814
18431	0.000	0.000	0.000	2088512.967	6023963.198	6723	GWS	-0.81112091792
18432	0.000	0.000	0.000	2088512.730	6023961.811	6930	GWS	-0.62842012357
18433	0.000	0.000	0.000	2088513.225	6023960.111	7282	GWS	-0.31774051192
18434	0.000	0.000	0.000	2088512.506	6023957.934	7460	GWS	-0.16063548102
18435	0.000	0.000	0.000	2088512.212	6023955.833	8075	GWS	0.38217122683
18436	0.000	0.000	0.000	2088511.670	6023953.426	8648	GWS	0.88790820830
18437	0.000	0.000	0.000	2088510.233	6023951.965	9064	GWS	1.25507502207
18438	0.000	0.000	0.000	2088509.627	6023950.036	7883	GWS	0.21270962048
18439	0.000	0.000	0.000	2088508.310	6023950.403	8210	GWS	0.50132391880
18440	0.000	0.000	0.000	2088506.347	6023950.423	6762	GWS	-0.77669902913
18441	0.000	0.000	0.000	2088505.324	6023951.485	6181	GWS	-1.28949691086
18442	0.000	0.000	0.000	2088505.210	6023952.536	6285	GWS	-1.19770520741
18443	0.000	0.000	0.000	2088505.059	6023952.436	7301	GWS	-0.30097087379
18444	0.000	0.000	0.000	2088504.618	6023952.079	6835	GWS	-0.71226831421
18445	0.000	0.000	0.000	2088504.052	6023951.959	6809	GWS	-0.73521624007
18446	0.000	0.000	0.000	2088503.356	6023953.515	7312	GWS	-0.29126213592
18447	0.000	0.000	0.000	2088502.160	6023954.998	6598	GWS	-0.92144748455
18448	0.000	0.000	0.000	2088501.680	6023955.796	6179	GWS	-1.29126213592
18449	0.000	0.000	0.000	2088501.744	6023956.013	6285	GWS	-1.19770520741

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18450	0.000	0.000	0.000	2088501.797	6023955.941	7001	GWS	-0.56575463372
18451	0.000	0.000	0.000	2088501.464	6023955.735	7720	GWS	0.06884377758
18452	0.000	0.000	0.000	2088500.804	6023955.795	6820	GWS	-0.72550750221
18453	0.000	0.000	0.000	2088501.041	6023956.497	6382	GWS	-1.11209179170
18454	0.000	0.000	0.000	2088500.850	6023957.193	8435	GWS	0.69991173875
18455	0.000	0.000	0.000	2088499.347	6023958.413	8288	GWS	0.57016769638
18456	0.000	0.000	0.000	2088497.755	6023960.336	9302	GWS	1.46513680494
18457	0.000	0.000	0.000	2088496.812	6023962.713	7815	GWS	0.15269196823
18458	0.000	0.000	0.000	2088495.171	6023964.486	7683	GWS	0.03618711386
18459	0.000	0.000	0.000	2088493.645	6023966.393	7321	GWS	-0.28331862312
18460	0.000	0.000	0.000	2088492.338	6023968.489	7740	GWS	0.08649602824
18461	0.000	0.000	0.000	2088490.516	6023970.399	6975	GWS	-0.58870255958
18462	0.000	0.000	0.000	2088489.167	6023972.588	7293	GWS	-0.30803177405
18463	0.000	0.000	0.000	2088487.458	6023975.088	7883	GWS	0.21270962048
18464	0.000	0.000	0.000	2088485.578	6023976.768	8991	GWS	1.19064430715
18465	0.000	0.000	0.000	2088484.149	6023978.895	7527	GWS	-0.10150044131
18466	0.000	0.000	0.000	2088482.817	6023981.187	7072	GWS	-0.50308914387
18467	0.000	0.000	0.000	2088481.019	6023982.260	7258	GWS	-0.33892321271
18468	0.000	0.000	0.000	2088479.677	6023984.288	7484	GWS	-0.13945278023
18469	0.000	0.000	0.000	2088477.835	6023986.223	6911	GWS	-0.64518976170
18470	0.000	0.000	0.000	2088476.945	6023987.869	5531	GWS	-1.86319505737
18471	0.000	0.000	0.000	2088475.924	6023989.366	4844	GWS	-2.46954986761
18472	0.000	0.000	0.000	2088474.474	6023990.127	4779	GWS	-2.52691968226
18473	0.000	0.000	0.000	2088474.054	6023990.220	5328	GWS	-2.04236540159
18474	0.000	0.000	0.000	2088474.062	6023991.253	5793	GWS	-1.63195057370
18475	0.000	0.000	0.000	2088474.645	6023990.693	4782	GWS	-2.52427184466
18476	0.000	0.000	0.000	2088476.240	6023989.881	5442	GWS	-1.94174757282
18477	0.000	0.000	0.000	2088477.391	6023988.025	6091	GWS	-1.36893203883
18478	0.000	0.000	0.000	2088478.712	6023986.597	6892	GWS	-0.66195939982
18479	0.000	0.000	0.000	2088478.675	6023984.749	7933	GWS	0.25684024713
18480	0.000	0.000	0.000	2088479.442	6023985.906	8193	GWS	0.48631950574
18481	0.000	0.000	0.000	2088479.873	6023988.526	7838	GWS	0.17299205649
18482	0.000	0.000	0.000	2088478.904	6023990.753	9429	GWS	1.57722859665
18483	0.000	0.000	0.000	2088477.156	6023992.916	7907	GWS	0.23389232127
18484	0.000	0.000	0.000	2088474.830	6023993.488	8546	GWS	0.79788172992
18485	0.000	0.000	0.000	2088472.785	6023994.124	8556	GWS	0.80670785525
18486	0.000	0.000	0.000	2088471.182	6023995.389	7209	GWS	-0.38217122683
18487	0.000	0.000	0.000	2088469.469	6023997.354	6932	GWS	-0.62665489850
18488	0.000	0.000	0.000	2088468.305	6023999.702	7523	GWS	-0.10503089144
18489	0.000	0.000	0.000	2088466.916	6024001.697	8180	GWS	0.47484554281
18490	0.000	0.000	0.000	2088465.485	6024003.593	7565	GWS	-0.06796116505
18491	0.000	0.000	0.000	2088464.860	6024006.015	7741	GWS	0.08737864078
18492	0.000	0.000	0.000	2088463.400	6024007.745	7650	GWS	0.00706090026
18493	0.000	0.000	0.000	2088461.926	6024009.757	7196	GWS	-0.39364518976
18494	0.000	0.000	0.000	2088460.081	6024011.659	7949	GWS	0.27096204766

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18495	0.000	0.000	0.000	2088458.495	6024013.349	8677	GWS	0.91350397176
18496	0.000	0.000	0.000	2088457.505	6024015.567	7479	GWS	-0.14386584290
18497	0.000	0.000	0.000	2088455.705	6024017.050	7629	GWS	-0.01147396293
18498	0.000	0.000	0.000	2088454.155	6024019.068	7367	GWS	-0.24271844660
18499	0.000	0.000	0.000	2088452.399	6024020.508	7451	GWS	-0.16857899382
18500	0.000	0.000	0.000	2088450.485	6024022.122	7653	GWS	0.00970873786
18501	0.000	0.000	0.000	2088448.944	6024024.114	6803	GWS	-0.74051191527
18502	0.000	0.000	0.000	2088447.016	6024025.188	7670	GWS	0.02471315093
18503	0.000	0.000	0.000	2088445.624	6024027.553	7617	GWS	-0.02206531333
18504	0.000	0.000	0.000	2088444.048	6024029.246	8174	GWS	0.46954986761
18505	0.000	0.000	0.000	2088442.430	6024031.091	7323	GWS	-0.28155339806
18506	0.000	0.000	0.000	2088441.388	6024033.442	6540	GWS	-0.97263901147
18507	0.000	0.000	0.000	2088440.263	6024035.190	5325	GWS	-2.04501323919
18508	0.000	0.000	0.000	2088438.921	6024036.333	4495	GWS	-2.77758164166
18509	0.000	0.000	0.000	2088437.467	6024037.572	4061	GWS	-3.16063548102
18510	0.000	0.000	0.000	2088436.509	6024037.988	5489	GWS	-1.90026478376
18511	0.000	0.000	0.000	2088437.767	6024038.810	5848	GWS	-1.58340688438
18512	0.000	0.000	0.000	2088439.164	6024037.663	5943	GWS	-1.49955869373
18513	0.000	0.000	0.000	2088440.119	6024036.055	7418	GWS	-0.19770520741
18514	0.000	0.000	0.000	2088441.334	6024035.359	7914	GWS	0.24007060900
18515	0.000	0.000	0.000	2088442.372	6024033.556	7588	GWS	-0.04766107679
18516	0.000	0.000	0.000	2088442.837	6024033.008	8047	GWS	0.35745807591
18517	0.000	0.000	0.000	2088442.666	6024034.541	7621	GWS	-0.01853486320
18518	0.000	0.000	0.000	2088442.406	6024037.194	9555	GWS	1.68843777582
18519	0.000	0.000	0.000	2088440.849	6024038.894	8328	GWS	0.60547219771
18520	0.000	0.000	0.000	2088439.265	6024040.597	9162	GWS	1.34157105031
18521	0.000	0.000	0.000	2088437.123	6024041.021	8950	GWS	1.15445719329
18522	0.000	0.000	0.000	2088435.059	6024041.465	7847	GWS	0.18093556929
18523	0.000	0.000	0.000	2088434.282	6024042.941	6821	GWS	-0.72462488967
18524	0.000	0.000	0.000	2088434.048	6024043.146	6415	GWS	-1.08296557811
18525	0.000	0.000	0.000	2088433.947	6024043.333	5885	GWS	-1.55075022065
18526	0.000	0.000	0.000	2088433.118	6024044.064	6527	GWS	-0.98411297440
18527	0.000	0.000	0.000	2088431.739	6024045.796	6941	GWS	-0.61871138570
18528	0.000	0.000	0.000	2088430.186	6024047.079	7315	GWS	-0.28861429832
18529	0.000	0.000	0.000	2088429.159	6024048.995	7829	GWS	0.16504854369
18530	0.000	0.000	0.000	2088427.510	6024050.519	7207	GWS	-0.38393645190
18531	0.000	0.000	0.000	2088427.204	6024052.152	6571	GWS	-0.94527802295
18532	0.000	0.000	0.000	2088427.510	6024054.065	7462	GWS	-0.15887025596
18533	0.000	0.000	0.000	2088428.848	6024055.754	7415	GWS	-0.20035304501
18534	0.000	0.000	0.000	2088430.772	6024057.021	7944	GWS	0.26654898500
18535	0.000	0.000	0.000	2088431.948	6024058.708	7866	GWS	0.19770520741
18536	0.000	0.000	0.000	2088434.067	6024059.608	8116	GWS	0.41835834069
18537	0.000	0.000	0.000	2088435.832	6024061.194	7819	GWS	0.15622241836
18538	0.000	0.000	0.000	2088437.575	6024062.518	7864	GWS	0.19593998235
18539	0.000	0.000	0.000	2088439.676	6024063.738	7846	GWS	0.18005295675

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18540	0.000	0.000	0.000	2088441.409	6024065.527	7271	GWS	-0.32744924978
18541	0.000	0.000	0.000	2088443.439	6024066.714	7908	GWS	0.23477493380
18542	0.000	0.000	0.000	2088445.567	6024068.026	7347	GWS	-0.26037069726
18543	0.000	0.000	0.000	2088447.056	6024069.871	7356	GWS	-0.25242718447
18544	0.000	0.000	0.000	2088448.973	6024071.268	7629	GWS	-0.01147396293
18545	0.000	0.000	0.000	2088450.538	6024073.236	6317	GWS	-1.16946160635
18546	0.000	0.000	0.000	2088452.387	6024074.768	6469	GWS	-1.03530450132
18547	0.000	0.000	0.000	2088454.686	6024075.367	7197	GWS	-0.39276257723
18548	0.000	0.000	0.000	2088456.287	6024076.886	7859	GWS	0.19152691968
18549	0.000	0.000	0.000	2088458.156	6024078.153	8415	GWS	0.68225948809
18550	0.000	0.000	0.000	2088460.111	6024079.633	7173	GWS	-0.41394527802
18551	0.000	0.000	0.000	2088461.793	6024081.395	6653	GWS	-0.87290379523
18552	0.000	0.000	0.000	2088463.931	6024082.555	7213	GWS	-0.37864077670
18553	0.000	0.000	0.000	2088465.174	6024084.278	7863	GWS	0.19505736982
18554	0.000	0.000	0.000	2088466.061	6024085.464	8115	GWS	0.41747572816
18555	0.000	0.000	0.000	2088467.304	6024085.204	6738	GWS	-0.79788172992
18556	0.000	0.000	0.000	2088468.916	6024086.127	7324	GWS	-0.28067078553
18557	0.000	0.000	0.000	2088469.431	6024086.166	6661	GWS	-0.86584289497
18558	0.000	0.000	0.000	2088469.050	6024084.164	6307	GWS	-1.17828773169
18559	0.000	0.000	0.000	2088470.060	6024082.148	7487	GWS	-0.13680494263
18560	0.000	0.000	0.000	2088471.388	6024080.815	6911	GWS	-0.64518976170
18561	0.000	0.000	0.000	2088472.649	6024080.825	6018	GWS	-1.43336275375
18562	0.000	0.000	0.000	2088472.896	6024081.013	5912	GWS	-1.52691968226
18563	0.000	0.000	0.000	2088472.059	6024079.994	5952	GWS	-1.49161518094
18564	0.000	0.000	0.000	2088472.991	6024077.979	5637	GWS	-1.76963812886
18565	0.000	0.000	0.000	2088474.863	6024076.453	5773	GWS	-1.64960282436
18566	0.000	0.000	0.000	2088476.629	6024074.817	6292	GWS	-1.19152691968
18567	0.000	0.000	0.000	2088478.431	6024073.360	6673	GWS	-0.85525154457
18568	0.000	0.000	0.000	2088479.225	6024071.804	5607	GWS	-1.79611650485
18569	0.000	0.000	0.000	2088480.243	6024070.929	4676	GWS	-2.61782877317
18570	0.000	0.000	0.000	2088481.282	6024070.025	4355	GWS	-2.90114739629
18571	0.000	0.000	0.000	2088482.326	6024069.657	5975	GWS	-1.47131509267
18572	0.000	0.000	0.000	2088481.965	6024068.911	7535	GWS	-0.09443954104
18573	0.000	0.000	0.000	2088481.262	6024068.403	6983	GWS	-0.58164165931
18574	0.000	0.000	0.000	2088480.349	6024069.178	6876	GWS	-0.67608120035
18575	0.000	0.000	0.000	2088479.462	6024070.762	6969	GWS	-0.59399823478
18576	0.000	0.000	0.000	2088478.170	6024071.786	7442	GWS	-0.17652250662
18577	0.000	0.000	0.000	2088476.968	6024073.509	7980	GWS	0.29832303619
18578	0.000	0.000	0.000	2088476.471	6024073.652	8205	GWS	0.49691085613
18579	0.000	0.000	0.000	2088476.902	6024072.306	7391	GWS	-0.22153574581
18580	0.000	0.000	0.000	2088476.583	6024069.856	9108	GWS	1.29390997352
18581	0.000	0.000	0.000	2088477.591	6024067.894	8787	GWS	1.01059135040
18582	0.000	0.000	0.000	2088479.119	6024066.176	8766	GWS	0.99205648720
18583	0.000	0.000	0.000	2088481.133	6024066.890	8371	GWS	0.64342453663
18584	0.000	0.000	0.000	2088482.580	6024066.442	8692	GWS	0.92674315975

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18585	0.000	0.000	0.000	2088484.280	6024066.418	7123	GWS	-0.45807590468
18586	0.000	0.000	0.000	2088485.013	6024065.935	6251	GWS	-1.22771403354
18587	0.000	0.000	0.000	2088486.365	6024065.239	5689	GWS	-1.72374227714
18588	0.000	0.000	0.000	2088487.028	6024064.004	5796	GWS	-1.62930273610
18589	0.000	0.000	0.000	2088487.748	6024063.155	6212	GWS	-1.26213592233
18590	0.000	0.000	0.000	2088488.187	6024062.880	5603	GWS	-1.79964695499
18591	0.000	0.000	0.000	2088489.231	6024061.959	5844	GWS	-1.58693733451
18592	0.000	0.000	0.000	2088489.747	6024060.688	6017	GWS	-1.43424536628
18593	0.000	0.000	0.000	2088490.017	6024059.850	5826	GWS	-1.60282436011
18594	0.000	0.000	0.000	2088490.687	6024059.093	5842	GWS	-1.58870255958
18595	0.000	0.000	0.000	2088491.152	6024058.922	6630	GWS	-0.89320388350
18596	0.000	0.000	0.000	2088491.932	6024058.087	7447	GWS	-0.17210944395
18597	0.000	0.000	0.000	2088492.714	6024056.843	7022	GWS	-0.54721977052
18598	0.000	0.000	0.000	2088493.395	6024056.413	6345	GWS	-1.14474845543
18599	0.000	0.000	0.000	2088492.405	6024054.944	6476	GWS	-1.02912621359
18600	0.000	0.000	0.000	2088493.508	6024053.496	7979	GWS	0.29744042365
18601	0.000	0.000	0.000	2088494.894	6024052.492	6735	GWS	-0.80052956752
18602	0.000	0.000	0.000	2088495.396	6024050.839	6393	GWS	-1.10238305384
18603	0.000	0.000	0.000	2088496.929	6024049.479	6908	GWS	-0.64783759929
18604	0.000	0.000	0.000	2088497.883	6024047.456	6797	GWS	-0.74580759047
18605	0.000	0.000	0.000	2088498.581	6024046.169	6529	GWS	-0.98234774934
18606	0.000	0.000	0.000	2088499.060	6024044.551	7422	GWS	-0.19417475728
18607	0.000	0.000	0.000	2088499.461	6024044.053	7255	GWS	-0.34157105031
18608	0.000	0.000	0.000	2088499.403	6024044.061	7424	GWS	-0.19240953222
18609	0.000	0.000	0.000	2088499.411	6024043.943	6446	GWS	-1.05560458959
18610	0.000	0.000	0.000	2088499.468	6024043.816	6891	GWS	-0.66284201236
18611	0.000	0.000	0.000	2088499.921	6024043.600	8622	GWS	0.86496028244
18612	0.000	0.000	0.000	2088501.063	6024042.337	7435	GWS	-0.18270079435
18613	0.000	0.000	0.000	2088503.142	6024041.467	6839	GWS	-0.70873786408
18614	0.000	0.000	0.000	2088504.398	6024039.877	6719	GWS	-0.81465136805
18615	0.000	0.000	0.000	2088505.645	6024038.404	6585	GWS	-0.93292144749
18616	0.000	0.000	0.000	2088506.742	6024037.067	7046	GWS	-0.52603706973
18617	0.000	0.000	0.000	2088508.159	6024036.390	7311	GWS	-0.29214474846
18618	0.000	0.000	0.000	2088507.206	6024034.855	7587	GWS	-0.04854368932
18619	0.000	0.000	0.000	2088507.929	6024033.851	6757	GWS	-0.78111209179
18620	0.000	0.000	0.000	2088506.671	6024032.739	6549	GWS	-0.96469549868
18621	0.000	0.000	0.000	2088506.301	6024032.712	7697	GWS	0.04854368932
18622	0.000	0.000	0.000	2088506.292	6024032.742	8314	GWS	0.59311562224
18623	0.000	0.000	0.000	2088506.980	6024032.454	7958	GWS	0.27890556046
18624	0.000	0.000	0.000	2088507.906	6024031.418	8349	GWS	0.62400706090
18625	0.000	0.000	0.000	2088508.839	6024030.938	8387	GWS	0.65754633716
18626	0.000	0.000	0.000	2088508.965	6024030.828	6566	GWS	-0.94969108561
18627	0.000	0.000	0.000	2088508.957	6024030.824	8031	GWS	0.34333627538
18628	0.000	0.000	0.000	2088508.833	6024030.731	8308	GWS	0.58781994704
18629	0.000	0.000	0.000	2088508.050	6024030.568	8647	GWS	0.88702559576

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18630	0.000	0.000	0.000	2088506.913	6024030.495	7561	GWS	-0.07149161518
18631	0.000	0.000	0.000	2088508.398	6024030.037	7680	GWS	0.03353927626
18632	0.000	0.000	0.000	2088509.696	6024030.536	7800	GWS	0.13945278023
18633	0.000	0.000	0.000	2088509.827	6024030.329	7890	GWS	0.21888790821
18634	0.000	0.000	0.000	2088509.701	6024030.167	8242	GWS	0.52956751986
18635	0.000	0.000	0.000	2088509.529	6024030.113	7970	GWS	0.28949691086
18636	0.000	0.000	0.000	2088509.509	6024030.142	8502	GWS	0.75904677846
18637	0.000	0.000	0.000	2088509.500	6024030.107	7405	GWS	-0.20917917034
18638	0.000	0.000	0.000	2088509.544	6024030.093	6861	GWS	-0.68932038835
18639	0.000	0.000	0.000	2088509.540	6024030.090	7385	GWS	-0.22683142101
18640	0.000	0.000	0.000	2088509.558	6024030.075	7036	GWS	-0.53486319506
18641	0.000	0.000	0.000	2088509.553	6024030.060	7999	GWS	0.31509267432
18642	0.000	0.000	0.000	2088509.533	6024030.063	7159	GWS	-0.42630185349
18643	0.000	0.000	0.000	2088509.514	6024030.112	7790	GWS	0.13062665490
18644	0.000	0.000	0.000	2088509.500	6024030.112	7435	GWS	-0.18270079435
18645	0.000	0.000	0.000	2088509.484	6024030.114	7079	GWS	-0.49691085613
18646	0.000	0.000	0.000	2088509.437	6024030.147	7290	GWS	-0.31067961165
18647	0.000	0.000	0.000	2088509.827	6024030.326	7912	GWS	0.23830538394
18648	0.000	0.000	0.000	2088509.715	6024029.950	7528	GWS	-0.10061782877
18649	0.000	0.000	0.000	2088509.546	6024029.780	6832	GWS	-0.71491615181
18650	0.000	0.000	0.000	2088509.483	6024029.682	7588	GWS	-0.04766107679
18651	0.000	0.000	0.000	2088509.458	6024029.682	7537	GWS	-0.09267431598
18652	0.000	0.000	0.000	2088509.443	6024029.688	7104	GWS	-0.47484554281
18653	0.000	0.000	0.000	2088509.368	6024029.791	7416	GWS	-0.19947043248
18654	0.000	0.000	0.000	2088509.336	6024029.885	7914	GWS	0.24007060900
18655	0.000	0.000	0.000	2088509.616	6024029.479	7858	GWS	0.19064430715
18656	0.000	0.000	0.000	2088509.128	6024030.420	7724	GWS	0.07237422771
18657	0.000	0.000	0.000	2088508.816	6024030.439	7301	GWS	-0.30097087379
18658	0.000	0.000	0.000	2088508.974	6024030.713	6267	GWS	-1.21359223301
18659	0.000	0.000	0.000	2088509.206	6024030.471	6727	GWS	-0.80759046779
18660	0.000	0.000	0.000	2088509.246	6024030.283	6841	GWS	-0.70697263901
18661	0.000	0.000	0.000	2088509.180	6024030.325	7140	GWS	-0.44307149162
18662	0.000	0.000	0.000	2088509.167	6024030.341	6825	GWS	-0.72109443954
18663	0.000	0.000	0.000	2088509.518	6024030.773	7046	GWS	-0.52603706973
18664	0.000	0.000	0.000	2088510.329	6024029.820	6411	GWS	-1.08649602824
18665	0.000	0.000	0.000	2088511.716	6024029.389	7573	GWS	-0.06090026478
18666	0.000	0.000	0.000	2088512.650	6024028.034	7233	GWS	-0.36098852604
18667	0.000	0.000	0.000	2088513.421	6024026.644	6038	GWS	-1.41571050309
18668	0.000	0.000	0.000	2088514.666	6024024.922	6449	GWS	-1.05295675199
18669	0.000	0.000	0.000	2088516.454	6024023.904	5763	GWS	-1.65842894969
18670	0.000	0.000	0.000	2088517.500	6024022.731	5034	GWS	-2.30185348632
18671	0.000	0.000	0.000	2088519.191	6024022.126	5441	GWS	-1.94263018535
18672	0.000	0.000	0.000	2088518.905	6024021.326	6743	GWS	-0.79346866726
18673	0.000	0.000	0.000	2088517.670	6024021.277	7116	GWS	-0.46425419241
18674	0.000	0.000	0.000	2088516.297	6024021.924	6369	GWS	-1.12356575463

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18675	0.000	0.000	0.000	2088515.644	6024023.686	7142	GWS	-0.44130626655
18676	0.000	0.000	0.000	2088514.740	6024024.331	7785	GWS	0.12621359223
18677	0.000	0.000	0.000	2088513.866	6024025.895	7346	GWS	-0.26125330980
18678	0.000	0.000	0.000	2088513.777	6024025.585	8166	GWS	0.46248896734
18679	0.000	0.000	0.000	2088514.062	6024024.490	8731	GWS	0.96116504854
18680	0.000	0.000	0.000	2088514.029	6024022.022	8512	GWS	0.76787290380
18681	0.000	0.000	0.000	2088515.702	6024020.230	8008	GWS	0.32303618711
18682	0.000	0.000	0.000	2088518.158	6024019.249	7432	GWS	-0.18534863195
18683	0.000	0.000	0.000	2088519.738	6024018.971	6838	GWS	-0.70962047661
18684	0.000	0.000	0.000	2088521.637	6024019.200	7079	GWS	-0.49691085613
18685	0.000	0.000	0.000	2088520.767	6024018.765	6300	GWS	-1.18446601942
18686	0.000	0.000	0.000	2088518.795	6024017.337	6555	GWS	-0.95939982348
18687	0.000	0.000	0.000	2088516.369	6024015.537	8088	GWS	0.39364518976
18688	0.000	0.000	0.000	2088513.622	6024013.718	7992	GWS	0.30891438658
18689	0.000	0.000	0.000	2088511.723	6024011.785	7308	GWS	-0.29479258606
18690	0.000	0.000	0.000	2088509.803	6024009.869	8367	GWS	0.63989408650
18691	0.000	0.000	0.000	2088507.325	6024008.263	8781	GWS	1.00529567520
18692	0.000	0.000	0.000	2088505.500	6024006.118	8015	GWS	0.32921447485
18693	0.000	0.000	0.000	2088504.186	6024004.082	8513	GWS	0.76875551633
18694	0.000	0.000	0.000	2088503.365	6024001.973	7378	GWS	-0.23300970874
18695	0.000	0.000	0.000	2088503.368	6023999.670	8594	GWS	0.84024713151
18696	0.000	0.000	0.000	2088502.212	6023998.348	8388	GWS	0.65842894969
18697	0.000	0.000	0.000	2088500.535	6023997.576	7977	GWS	0.29567519859
18698	0.000	0.000	0.000	2088498.708	6023998.086	8054	GWS	0.36363636364
18699	0.000	0.000	0.000	2088497.331	6023999.216	8673	GWS	0.90997352162
18700	0.000	0.000	0.000	2088496.682	6024001.055	8888	GWS	1.09973521624
18701	0.000	0.000	0.000	2088497.379	6024002.761	8552	GWS	0.80317740512
18702	0.000	0.000	0.000	2088498.423	6024004.013	7748	GWS	0.09355692851
18703	0.000	0.000	0.000	2088500.291	6024004.085	8327	GWS	0.60458958517
18704	0.000	0.000	0.000	2088502.305	6024003.681	8051	GWS	0.36098852604
18705	0.000	0.000	0.000	2088503.024	6024002.110	8103	GWS	0.40688437776
18706	0.000	0.000	0.000	2088503.168	6024000.212	7875	GWS	0.20564872021
18707	0.000	0.000	0.000	2088502.278	6023999.550	8088	GWS	0.39364518976
18708	0.000	0.000	0.000	2088501.491	6023999.405	7392	GWS	-0.22065313327
18709	0.000	0.000	0.000	2088499.520	6023999.606	7908	GWS	0.23477493380
18710	0.000	0.000	0.000	2088498.977	6024000.556	7767	GWS	0.11032656664
18711	0.000	0.000	0.000	2088498.984	6024002.068	7911	GWS	0.23742277140
18712	0.000	0.000	0.000	2088499.751	6024002.048	7108	GWS	-0.47131509267
18713	0.000	0.000	0.000	2088500.919	6024001.199	6127	GWS	-1.33715798764
18714	0.000	0.000	0.000	2088499.845	6024000.007	8251	GWS	0.53751103266
18715	0.000	0.000	0.000	2088499.968	6023999.398	7822	GWS	0.15887025596
18716	0.000	0.000	0.000	2088500.380	6023999.219	7265	GWS	-0.33274492498
18717	0.000	0.000	0.000	2088502.045	6024000.191	8296	GWS	0.57722859665
18718	0.000	0.000	0.000	2088504.687	6024002.750	8194	GWS	0.48720211827
18719	0.000	0.000	0.000	2088507.385	6024005.229	8468	GWS	0.72903795234

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18720	0.000	0.000	0.000	2088509.958	6024007.155	7937	GWS	0.26037069726
18721	0.000	0.000	0.000	2088512.119	6024009.279	8044	GWS	0.35481023831
18722	0.000	0.000	0.000	2088514.128	6024011.468	7561	GWS	-0.07149161518
18723	0.000	0.000	0.000	2088516.446	6024013.417	7680	GWS	0.03353927626
18724	0.000	0.000	0.000	2088518.229	6024015.598	7530	GWS	-0.09885260371
18725	0.000	0.000	0.000	2088520.081	6024016.907	7882	GWS	0.21182700794
18726	0.000	0.000	0.000	2088521.929	6024017.524	8060	GWS	0.36893203884
18727	0.000	0.000	0.000	2088521.840	6024017.968	7835	GWS	0.17034421889
18728	0.000	0.000	0.000	2088520.641	6024018.309	7088	GWS	-0.48896734334
18729	0.000	0.000	0.000	2088520.746	6024018.230	7202	GWS	-0.38834951456
18730	0.000	0.000	0.000	2088522.013	6024016.467	6930	GWS	-0.62842012357
18731	0.000	0.000	0.000	2088523.926	6024015.374	6862	GWS	-0.68843777582
18732	0.000	0.000	0.000	2088524.953	6024013.103	7445	GWS	-0.17387466902
18733	0.000	0.000	0.000	2088526.633	6024011.585	7351	GWS	-0.25684024713
18734	0.000	0.000	0.000	2088528.360	6024009.499	6877	GWS	-0.67519858782
18735	0.000	0.000	0.000	2088529.850	6024007.288	7578	GWS	-0.05648720212
18736	0.000	0.000	0.000	2088531.344	6024005.125	7262	GWS	-0.33539276258
18737	0.000	0.000	0.000	2088532.566	6024003.012	7785	GWS	0.12621359223
18738	0.000	0.000	0.000	2088534.461	6024001.454	7226	GWS	-0.36716681377
18739	0.000	0.000	0.000	2088535.525	6023999.231	7236	GWS	-0.35834068844
18740	0.000	0.000	0.000	2088536.992	6023997.439	7359	GWS	-0.24977934687
18741	0.000	0.000	0.000	2088538.666	6023996.211	6939	GWS	-0.62047661077
18742	0.000	0.000	0.000	2088540.026	6023993.890	8095	GWS	0.39982347749
18743	0.000	0.000	0.000	2088541.564	6023992.092	8293	GWS	0.57458075905
18744	0.000	0.000	0.000	2088542.867	6023990.325	7743	GWS	0.08914386584
18745	0.000	0.000	0.000	2088543.942	6023988.318	7785	GWS	0.12621359223
18746	0.000	0.000	0.000	2088545.595	6023986.762	7616	GWS	-0.02294792586
18747	0.000	0.000	0.000	2088546.616	6023984.679	7934	GWS	0.25772285967
18748	0.000	0.000	0.000	2088548.296	6023982.782	7473	GWS	-0.14916151809
18749	0.000	0.000	0.000	2088549.611	6023980.558	6908	GWS	-0.64783759929
18750	0.000	0.000	0.000	2088551.465	6023978.225	6617	GWS	-0.90467784643
18751	0.000	0.000	0.000	2088552.502	6023977.573	6184	GWS	-1.28684907326
18752	0.000	0.000	0.000	2088553.436	6023975.707	5672	GWS	-1.73874669020
18753	0.000	0.000	0.000	2088554.920	6023975.072	4588	GWS	-2.69549867608
18754	0.000	0.000	0.000	2088556.447	6023974.428	5146	GWS	-2.20300088261
18755	0.000	0.000	0.000	2088556.604	6023974.191	5767	GWS	-1.65489849956
18756	0.000	0.000	0.000	2088555.320	6023973.363	6506	GWS	-1.00264783760
18757	0.000	0.000	0.000	2088554.128	6023974.458	6846	GWS	-0.70255957635
18758	0.000	0.000	0.000	2088552.784	6023975.738	8221	GWS	0.51103265666
18759	0.000	0.000	0.000	2088551.792	6023976.717	7485	GWS	-0.13857016770
18760	0.000	0.000	0.000	2088551.198	6023977.643	8831	GWS	1.04942630185
18761	0.000	0.000	0.000	2088550.784	6023979.467	8448	GWS	0.71138570168
18762	0.000	0.000	0.000	2088550.141	6023978.697	7902	GWS	0.22947925861
18763	0.000	0.000	0.000	2088549.912	6023976.732	8845	GWS	1.06178287732
18764	0.000	0.000	0.000	2088550.555	6023974.507	10101	GWS	2.17034421889



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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18765	0.000	0.000	0.000	2088551.723	6023972.184	10505	GWS	2.52691968226
18766	0.000	0.000	0.000	2088553.301	6023971.373	9166	GWS	1.34510150044
18767	0.000	0.000	0.000	2088555.524	6023971.039	8021	GWS	0.33451015004
18768	0.000	0.000	0.000	2088557.031	6023971.564	7405	GWS	-0.20917917034
18769	0.000	0.000	0.000	2088558.166	6023970.206	6702	GWS	-0.82965578111
18770	0.000	0.000	0.000	2088559.828	6023968.536	7242	GWS	-0.35304501324
18771	0.000	0.000	0.000	2088560.873	6023966.668	6910	GWS	-0.64607237423
18772	0.000	0.000	0.000	2088562.327	6023965.100	6557	GWS	-0.95763459841
18773	0.000	0.000	0.000	2088563.926	6023963.350	7309	GWS	-0.29390997352
18774	0.000	0.000	0.000	2088563.977	6023962.271	6237	GWS	-1.24007060900
18775	0.000	0.000	0.000	2088564.083	6023962.285	7319	GWS	-0.28508384819
18776	0.000	0.000	0.000	2088563.169	6023961.897	5908	GWS	-1.53045013239
18777	0.000	0.000	0.000	2088563.583	6023961.742	5950	GWS	-1.49338040600
18778	0.000	0.000	0.000	2088564.278	6023962.160	6107	GWS	-1.35481023831
18779	0.000	0.000	0.000	2088563.843	6023962.282	6626	GWS	-0.89673433363
18780	0.000	0.000	0.000	2088563.753	6023962.385	5976	GWS	-1.47043248014
18781	0.000	0.000	0.000	2088564.469	6023962.710	6096	GWS	-1.36451897617
18782	0.000	0.000	0.000	2088564.536	6023961.574	6654	GWS	-0.87202118270
18783	0.000	0.000	0.000	2088564.976	6023959.868	6943	GWS	-0.61694616064
18784	0.000	0.000	0.000	2088565.440	6023958.304	6056	GWS	-1.39982347749
18785	0.000	0.000	0.000	2088565.895	6023955.987	6006	GWS	-1.44395410415
18786	0.000	0.000	0.000	2088567.461	6023953.979	7232	GWS	-0.36187113857
18787	0.000	0.000	0.000	2088569.021	6023952.307	6938	GWS	-0.62135922330
18788	0.000	0.000	0.000	2088571.182	6023951.399	6834	GWS	-0.71315092674
18789	0.000	0.000	0.000	2088572.471	6023951.410	6808	GWS	-0.73609885260
18790	0.000	0.000	0.000	2088573.079	6023950.137	7972	GWS	0.29126213592
18791	0.000	0.000	0.000	2088574.318	6023948.646	6193	GWS	-1.27890556046
18792	0.000	0.000	0.000	2088575.523	6023946.396	7008	GWS	-0.55957634598
18793	0.000	0.000	0.000	2088577.330	6023944.754	7992	GWS	0.30891438658
18794	0.000	0.000	0.000	2088578.990	6023942.897	7428	GWS	-0.18887908208
18795	0.000	0.000	0.000	2088580.378	6023940.727	7497	GWS	-0.12797881730
18796	0.000	0.000	0.000	2088582.203	6023938.935	7694	GWS	0.04589585172
18797	0.000	0.000	0.000	2088583.267	6023936.733	7203	GWS	-0.38746690203
18798	0.000	0.000	0.000	2088585.052	6023935.309	7560	GWS	-0.07237422771
18799	0.000	0.000	0.000	2088586.499	6023933.158	6960	GWS	-0.60194174757
18800	0.000	0.000	0.000	2088588.121	6023931.535	7500	GWS	-0.12533097970
18801	0.000	0.000	0.000	2088589.293	6023929.950	6345	GWS	-1.14474845543
18802	0.000	0.000	0.000	2088590.241	6023928.200	5259	GWS	-2.10326566637
18803	0.000	0.000	0.000	2088591.528	6023927.444	4713	GWS	-2.58517210944
18804	0.000	0.000	0.000	2088592.910	6023926.772	5568	GWS	-1.83053839365
18805	0.000	0.000	0.000	2088592.535	6023926.403	6230	GWS	-1.24624889673
18806	0.000	0.000	0.000	2088590.734	6023926.156	7437	GWS	-0.18093556929
18807	0.000	0.000	0.000	2088589.593	6023927.621	7289	GWS	-0.31156222418
18808	0.000	0.000	0.000	2088588.724	6023928.988	6862	GWS	-0.68843777582
18809	0.000	0.000	0.000	2088587.016	6023931.186	7595	GWS	-0.04148278906

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18810	0.000	0.000	0.000	2088586.243	6023930.694	7418	GWS	-0.19770520741
18811	0.000	0.000	0.000	2088586.698	6023929.182	7944	GWS	0.26654898500
18812	0.000	0.000	0.000	2088586.794	6023926.484	8526	GWS	0.78022947926
18813	0.000	0.000	0.000	2088588.343	6023924.668	8491	GWS	0.74933804060
18814	0.000	0.000	0.000	2088590.880	6023923.931	7312	GWS	-0.29126213592
18815	0.000	0.000	0.000	2088592.869	6023923.460	8008	GWS	0.32303618711
18816	0.000	0.000	0.000	2088594.787	6023923.428	6712	GWS	-0.82082965578
18817	0.000	0.000	0.000	2088595.744	6023921.536	6508	GWS	-1.00088261253
18818	0.000	0.000	0.000	2088597.390	6023919.630	7267	GWS	-0.33097969991
18819	0.000	0.000	0.000	2088599.012	6023917.780	7426	GWS	-0.19064430715
18820	0.000	0.000	0.000	2088599.956	6023915.492	6986	GWS	-0.57899382171
18821	0.000	0.000	0.000	2088601.732	6023913.564	7596	GWS	-0.04060017652
18822	0.000	0.000	0.000	2088603.299	6023911.493	6999	GWS	-0.56751985878
18823	0.000	0.000	0.000	2088604.908	6023909.722	7089	GWS	-0.48808473080
18824	0.000	0.000	0.000	2088606.451	6023908.131	6092	GWS	-1.36804942630
18825	0.000	0.000	0.000	2088607.447	6023906.076	6169	GWS	-1.30008826125
18826	0.000	0.000	0.000	2088608.430	6023904.266	5763	GWS	-1.65842894969
18827	0.000	0.000	0.000	2088609.081	6023902.073	6369	GWS	-1.12356575463
18828	0.000	0.000	0.000	2088610.244	6023900.304	5763	GWS	-1.65842894969
18829	0.000	0.000	0.000	2088610.806	6023897.837	6781	GWS	-0.75992939100
18830	0.000	0.000	0.000	2088612.723	6023896.647	6765	GWS	-0.77405119153
18831	0.000	0.000	0.000	2088613.918	6023894.789	6761	GWS	-0.77758164166
18832	0.000	0.000	0.000	2088615.553	6023894.078	6560	GWS	-0.95498676081
18833	0.000	0.000	0.000	2088616.934	6023892.704	7735	GWS	0.08208296558
18834	0.000	0.000	0.000	2088618.709	6023891.258	8623	GWS	0.86584289497
18835	0.000	0.000	0.000	2088620.285	6023889.663	7196	GWS	-0.39364518976
18836	0.000	0.000	0.000	2088621.571	6023887.631	7559	GWS	-0.07325684025
18837	0.000	0.000	0.000	2088622.956	6023886.007	7349	GWS	-0.25860547220
18838	0.000	0.000	0.000	2088624.271	6023883.912	7447	GWS	-0.17210944395
18839	0.000	0.000	0.000	2088625.595	6023882.478	6301	GWS	-1.18358340688
18840	0.000	0.000	0.000	2088627.027	6023880.885	4868	GWS	-2.44836716681
18841	0.000	0.000	0.000	2088628.354	6023879.527	4568	GWS	-2.71315092674
18842	0.000	0.000	0.000	2088629.588	6023879.002	5479	GWS	-1.90909090909
18843	0.000	0.000	0.000	2088628.592	6023878.055	5700	GWS	-1.71403353928
18844	0.000	0.000	0.000	2088627.434	6023878.856	5703	GWS	-1.71138570168
18845	0.000	0.000	0.000	2088626.130	6023880.323	6238	GWS	-1.23918799647
18846	0.000	0.000	0.000	2088624.809	6023881.768	7649	GWS	0.00617828773
18847	0.000	0.000	0.000	2088622.998	6023882.474	7972	GWS	0.29126213592
18848	0.000	0.000	0.000	2088623.064	6023881.515	7843	GWS	0.17740511915
18849	0.000	0.000	0.000	2088623.331	6023879.355	9040	GWS	1.23389232127
18850	0.000	0.000	0.000	2088624.978	6023877.229	8470	GWS	0.73080317741
18851	0.000	0.000	0.000	2088627.494	6023876.368	8507	GWS	0.76345984113
18852	0.000	0.000	0.000	2088629.307	6023876.033	8156	GWS	0.45366284201
18853	0.000	0.000	0.000	2088631.000	6023875.994	8339	GWS	0.61518093557
18854	0.000	0.000	0.000	2088631.787	6023874.784	6735	GWS	-0.80052956752

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18855	0.000	0.000	0.000	2088631.227	6023873.172	7473	GWS	-0.14916151809
18856	0.000	0.000	0.000	2088629.765	6023871.316	8168	GWS	0.46425419241
18857	0.000	0.000	0.000	2088627.336	6023869.971	8432	GWS	0.69726390115
18858	0.000	0.000	0.000	2088624.962	6023868.566	7748	GWS	0.09355692851
18859	0.000	0.000	0.000	2088622.817	6023867.179	7337	GWS	-0.26919682260
18860	0.000	0.000	0.000	2088620.365	6023866.287	8284	GWS	0.56663724625
18861	0.000	0.000	0.000	2088618.364	6023864.640	8371	GWS	0.64342453663
18862	0.000	0.000	0.000	2088616.216	6023863.105	7312	GWS	-0.29126213592
18863	0.000	0.000	0.000	2088614.407	6023861.274	8788	GWS	1.01147396293
18864	0.000	0.000	0.000	2088613.654	6023859.061	7927	GWS	0.25154457193
18865	0.000	0.000	0.000	2088613.039	6023857.302	8431	GWS	0.69638128861
18866	0.000	0.000	0.000	2088612.252	6023855.212	7867	GWS	0.19858781995
18867	0.000	0.000	0.000	2088610.755	6023854.888	7277	GWS	-0.32215357458
18868	0.000	0.000	0.000	2088608.796	6023855.365	8029	GWS	0.34157105031
18869	0.000	0.000	0.000	2088607.373	6023856.688	7887	GWS	0.21624007061
18870	0.000	0.000	0.000	2088607.018	6023858.387	7822	GWS	0.15887025596
18871	0.000	0.000	0.000	2088607.799	6023859.965	10055	GWS	2.12974404237
18872	0.000	0.000	0.000	2088609.155	6023860.769	8927	GWS	1.13415710503
18873	0.000	0.000	0.000	2088611.043	6023861.060	9051	GWS	1.24360105914
18874	0.000	0.000	0.000	2088612.492	6023859.982	8592	GWS	0.83848190644
18875	0.000	0.000	0.000	2088613.641	6023858.390	8058	GWS	0.36716681377
18876	0.000	0.000	0.000	2088613.337	6023857.210	7774	GWS	0.11650485437
18877	0.000	0.000	0.000	2088611.919	6023855.595	9083	GWS	1.27184466019
18878	0.000	0.000	0.000	2088611.234	6023856.109	8391	GWS	0.66107678729
18879	0.000	0.000	0.000	2088609.962	6023856.959	7947	GWS	0.26919682260
18880	0.000	0.000	0.000	2088608.776	6023858.480	7567	GWS	-0.06619593998
18881	0.000	0.000	0.000	2088609.294	6023858.422	7711	GWS	0.06090026478
18882	0.000	0.000	0.000	2088610.871	6023858.713	7657	GWS	0.01323918800
18883	0.000	0.000	0.000	2088611.253	6023858.039	6894	GWS	-0.66019417476
18884	0.000	0.000	0.000	2088611.338	6023856.943	8953	GWS	1.15710503089
18885	0.000	0.000	0.000	2088610.230	6023857.070	7908	GWS	0.23477493380
18886	0.000	0.000	0.000	2088609.525	6023857.499	8097	GWS	0.40158870256
18887	0.000	0.000	0.000	2088610.121	6023858.819	8414	GWS	0.68137687555
18888	0.000	0.000	0.000	2088611.025	6023859.766	9333	GWS	1.49249779347
18889	0.000	0.000	0.000	2088613.249	6023861.661	9383	GWS	1.53662842012
18890	0.000	0.000	0.000	2088616.096	6023862.977	8225	GWS	0.51456310680
18891	0.000	0.000	0.000	2088618.872	6023863.868	8626	GWS	0.86849073257
18892	0.000	0.000	0.000	2088621.335	6023865.186	7676	GWS	0.03000882613
18893	0.000	0.000	0.000	2088623.957	6023866.148	7049	GWS	-0.52338923213
18894	0.000	0.000	0.000	2088626.473	6023867.372	6952	GWS	-0.60900264784
18895	0.000	0.000	0.000	2088628.538	6023869.002	6688	GWS	-0.84201235658
18896	0.000	0.000	0.000	2088630.210	6023869.595	7522	GWS	-0.10591350397
18897	0.000	0.000	0.000	2088630.969	6023869.063	7130	GWS	-0.45189761695
18898	0.000	0.000	0.000	2088632.163	6023867.858	6792	GWS	-0.75022065313
18899	0.000	0.000	0.000	2088634.062	6023866.414	7248	GWS	-0.34774933804

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18900	0.000	0.000	0.000	2088635.680	6023866.985	7542	GWS	-0.08826125331
18901	0.000	0.000	0.000	2088636.889	6023867.689	6445	GWS	-1.05648720212
18902	0.000	0.000	0.000	2088637.702	6023866.889	6951	GWS	-0.60988526037
18903	0.000	0.000	0.000	2088639.115	6023865.497	7137	GWS	-0.44571932921
18904	0.000	0.000	0.000	2088638.939	6023863.349	9254	GWS	1.42277140335
18905	0.000	0.000	0.000	2088639.445	6023861.319	9273	GWS	1.43954104148
18906	0.000	0.000	0.000	2088640.446	6023859.182	8708	GWS	0.94086496028
18907	0.000	0.000	0.000	2088641.730	6023857.161	9587	GWS	1.71668137688
18908	0.000	0.000	0.000	2088643.048	6023856.317	8576	GWS	0.82436010591
18909	0.000	0.000	0.000	2088644.907	6023855.786	8804	GWS	1.02559576346
18910	0.000	0.000	0.000	2088646.799	6023854.869	8021	GWS	0.33451015004
18911	0.000	0.000	0.000	2088648.040	6023852.844	7345	GWS	-0.26213592233
18912	0.000	0.000	0.000	2088649.730	6023850.967	7506	GWS	-0.12003530450
18913	0.000	0.000	0.000	2088651.199	6023848.405	7006	GWS	-0.56134157105
18914	0.000	0.000	0.000	2088652.641	6023846.146	6791	GWS	-0.75110326567
18915	0.000	0.000	0.000	2088654.031	6023844.315	6708	GWS	-0.82436010591
18916	0.000	0.000	0.000	2088655.447	6023842.170	7407	GWS	-0.20741394528
18917	0.000	0.000	0.000	2088657.563	6023840.616	8301	GWS	0.58164165931
18918	0.000	0.000	0.000	2088658.926	6023838.591	7475	GWS	-0.14739629303
18919	0.000	0.000	0.000	2088660.031	6023836.468	6428	GWS	-1.07149161518
18920	0.000	0.000	0.000	2088661.611	6023835.160	7217	GWS	-0.37511032657
18921	0.000	0.000	0.000	2088662.774	6023833.385	4744	GWS	-2.55781112092
18922	0.000	0.000	0.000	2088664.090	6023832.020	4176	GWS	-3.05913503972
18923	0.000	0.000	0.000	2088665.749	6023831.387	5371	GWS	-2.00441306267
18924	0.000	0.000	0.000	2088666.137	6023831.138	5939	GWS	-1.50308914387
18925	0.000	0.000	0.000	2088664.982	6023830.348	6157	GWS	-1.31067961165
18926	0.000	0.000	0.000	2088663.976	6023831.216	6189	GWS	-1.28243601059
18927	0.000	0.000	0.000	2088662.603	6023832.645	5861	GWS	-1.57193292145
18928	0.000	0.000	0.000	2088660.785	6023834.211	6247	GWS	-1.23124448367
18929	0.000	0.000	0.000	2088659.611	6023834.434	7922	GWS	0.24713150927
18930	0.000	0.000	0.000	2088660.064	6023833.759	6510	GWS	-0.99911738747
18931	0.000	0.000	0.000	2088660.260	6023831.364	7627	GWS	-0.01323918800
18932	0.000	0.000	0.000	2088661.687	6023829.242	8057	GWS	0.36628420124
18933	0.000	0.000	0.000	2088663.835	6023828.191	7624	GWS	-0.01588702560
18934	0.000	0.000	0.000	2088665.638	6023828.090	7816	GWS	0.15357458076
18935	0.000	0.000	0.000	2088667.567	6023827.701	7684	GWS	0.03706972639
18936	0.000	0.000	0.000	2088668.908	6023825.775	7741	GWS	0.08737864078
18937	0.000	0.000	0.000	2088670.636	6023823.908	7335	GWS	-0.27096204766
18938	0.000	0.000	0.000	2088672.169	6023821.922	7383	GWS	-0.22859664607
18939	0.000	0.000	0.000	2088673.561	6023819.795	7576	GWS	-0.05825242718
18940	0.000	0.000	0.000	2088675.346	6023818.014	7054	GWS	-0.51897616946
18941	0.000	0.000	0.000	2088676.220	6023815.968	6653	GWS	-0.87290379523
18942	0.000	0.000	0.000	2088677.864	6023814.394	7243	GWS	-0.35216240071
18943	0.000	0.000	0.000	2088679.224	6023812.522	7211	GWS	-0.38040600177
18944	0.000	0.000	0.000	2088680.573	6023810.757	7892	GWS	0.22065313327

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18945	0.000	0.000	0.000	2088682.048	6023809.519	7493	GWS	-0.13150926743
18946	0.000	0.000	0.000	2088682.243	6023807.704	7633	GWS	-0.00794351280
18947	0.000	0.000	0.000	2088682.195	6023806.058	7998	GWS	0.31421006178
18948	0.000	0.000	0.000	2088682.737	6023803.885	5719	GWS	-1.69726390115
18949	0.000	0.000	0.000	2088684.007	6023802.929	5557	GWS	-1.84024713151
18950	0.000	0.000	0.000	2088684.931	6023801.520	6824	GWS	-0.72197705207
18951	0.000	0.000	0.000	2088685.949	6023799.717	7736	GWS	0.08296557811
18952	0.000	0.000	0.000	2088688.112	6023799.491	7574	GWS	-0.06001765225
18953	0.000	0.000	0.000	2088689.598	6023798.680	7713	GWS	0.06266548985
18954	0.000	0.000	0.000	2088691.109	6023797.228	8228	GWS	0.51721094440
18955	0.000	0.000	0.000	2088692.553	6023795.078	7787	GWS	0.12797881730
18956	0.000	0.000	0.000	2088693.757	6023793.053	8456	GWS	0.71844660194
18957	0.000	0.000	0.000	2088695.243	6023791.584	8354	GWS	0.62842012357
18958	0.000	0.000	0.000	2088696.561	6023789.362	7938	GWS	0.26125330980
18959	0.000	0.000	0.000	2088698.310	6023788.133	7084	GWS	-0.49249779347
18960	0.000	0.000	0.000	2088699.481	6023786.086	4801	GWS	-2.50750220653
18961	0.000	0.000	0.000	2088700.714	6023784.730	4433	GWS	-2.83230361871
18962	0.000	0.000	0.000	2088702.494	6023783.982	5081	GWS	-2.26037069726
18963	0.000	0.000	0.000	2088702.976	6023783.823	5498	GWS	-1.89232127096
18964	0.000	0.000	0.000	2088701.928	6023782.786	6366	GWS	-1.12621359223
18965	0.000	0.000	0.000	2088701.182	6023783.794	5972	GWS	-1.47396293027
18966	0.000	0.000	0.000	2088699.852	6023784.818	6709	GWS	-0.82347749338
18967	0.000	0.000	0.000	2088699.226	6023786.612	7167	GWS	-0.41924095322
18968	0.000	0.000	0.000	2088697.930	6023788.354	8212	GWS	0.50308914387
18969	0.000	0.000	0.000	2088696.796	6023788.380	9253	GWS	1.42188879082
18970	0.000	0.000	0.000	2088695.739	6023787.248	8403	GWS	0.67166813769
18971	0.000	0.000	0.000	2088695.787	6023785.296	8100	GWS	0.40423654016
18972	0.000	0.000	0.000	2088696.588	6023783.344	8655	GWS	0.89408649603
18973	0.000	0.000	0.000	2088697.620	6023781.853	9153	GWS	1.33362753751
18974	0.000	0.000	0.000	2088699.251	6023779.985	9638	GWS	1.76169461606
18975	0.000	0.000	0.000	2088701.318	6023780.473	7779	GWS	0.12091791703
18976	0.000	0.000	0.000	2088703.056	6023780.222	7465	GWS	-0.15622241836
18977	0.000	0.000	0.000	2088704.894	6023779.260	7386	GWS	-0.22594880847
18978	0.000	0.000	0.000	2088706.257	6023777.559	7576	GWS	-0.05825242718
18979	0.000	0.000	0.000	2088707.270	6023775.435	7534	GWS	-0.09532215357
18980	0.000	0.000	0.000	2088709.059	6023773.689	8303	GWS	0.58340688438
18981	0.000	0.000	0.000	2088710.591	6023771.605	6816	GWS	-0.72903795234
18982	0.000	0.000	0.000	2088712.319	6023769.738	7374	GWS	-0.23654015887
18983	0.000	0.000	0.000	2088714.010	6023767.714	7873	GWS	0.20388349515
18984	0.000	0.000	0.000	2088714.565	6023765.596	6438	GWS	-1.06266548985
18985	0.000	0.000	0.000	2088715.966	6023763.909	7129	GWS	-0.45278022948
18986	0.000	0.000	0.000	2088717.531	6023761.994	7272	GWS	-0.32656663725
18987	0.000	0.000	0.000	2088719.399	6023760.176	8328	GWS	0.60547219771
18988	0.000	0.000	0.000	2088721.179	6023758.189	6492	GWS	-1.01500441306
18989	0.000	0.000	0.000	2088722.548	6023756.359	7593	GWS	-0.04324801412

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
18990	0.000	0.000	0.000	2088724.167	6023754.503	7028	GWS	-0.54192409532
18991	0.000	0.000	0.000	2088725.409	6023752.275	7097	GWS	-0.48102383054
18992	0.000	0.000	0.000	2088727.122	6023750.585	6754	GWS	-0.78375992939
18993	0.000	0.000	0.000	2088728.117	6023748.455	7718	GWS	0.06707855252
18994	0.000	0.000	0.000	2088729.768	6023746.686	6609	GWS	-0.91173874669
18995	0.000	0.000	0.000	2088731.470	6023745.212	6932	GWS	-0.62665489850
18996	0.000	0.000	0.000	2088732.326	6023743.036	6953	GWS	-0.60812003531
18997	0.000	0.000	0.000	2088733.891	6023741.235	7138	GWS	-0.44483671668
18998	0.000	0.000	0.000	2088734.819	6023739.484	6284	GWS	-1.19858781995
18999	0.000	0.000	0.000	2088736.214	6023738.178	5506	GWS	-1.88526037070
19000	0.000	0.000	0.000	2088737.883	6023737.177	4432	GWS	-2.83318623124
19001	0.000	0.000	0.000	2088739.046	6023736.616	5028	GWS	-2.30714916152
19002	0.000	0.000	0.000	2088738.721	6023735.882	5535	GWS	-1.85966460724
19003	0.000	0.000	0.000	2088737.509	6023735.981	5739	GWS	-1.67961165049
19004	0.000	0.000	0.000	2088735.927	6023736.823	6010	GWS	-1.44042365402
19005	0.000	0.000	0.000	2088734.846	6023738.604	6034	GWS	-1.41924095322
19006	0.000	0.000	0.000	2088733.675	6023739.638	6507	GWS	-1.00176522507
19007	0.000	0.000	0.000	2088732.997	6023738.849	8474	GWS	0.73433362754
19008	0.000	0.000	0.000	2088733.309	6023736.883	8094	GWS	0.39894086496
19009	0.000	0.000	0.000	2088734.375	6023735.149	8053	GWS	0.36275375110
19010	0.000	0.000	0.000	2088735.974	6023733.246	7413	GWS	-0.20211827008
19011	0.000	0.000	0.000	2088737.984	6023733.317	7373	GWS	-0.23742277140
19012	0.000	0.000	0.000	2088739.879	6023732.755	7226	GWS	-0.36716681377
19013	0.000	0.000	0.000	2088741.773	6023731.578	6573	GWS	-0.94351279788
19014	0.000	0.000	0.000	2088743.254	6023730.197	5753	GWS	-1.66725507502
19015	0.000	0.000	0.000	2088744.093	6023728.062	6462	GWS	-1.04148278906
19016	0.000	0.000	0.000	2088745.399	6023726.157	6578	GWS	-0.93909973522
19017	0.000	0.000	0.000	2088746.914	6023724.172	6534	GWS	-0.97793468667
19018	0.000	0.000	0.000	2088748.527	6023722.570	6883	GWS	-0.66990291262
19019	0.000	0.000	0.000	2088750.047	6023720.641	7871	GWS	0.20211827008
19020	0.000	0.000	0.000	2088751.489	6023718.763	8267	GWS	0.55163283319
19021	0.000	0.000	0.000	2088752.953	6023716.993	7706	GWS	0.05648720212
19022	0.000	0.000	0.000	2088754.053	6023714.784	7656	GWS	0.01235657546
19023	0.000	0.000	0.000	2088755.658	6023713.360	7248	GWS	-0.34774933804
19024	0.000	0.000	0.000	2088756.902	6023711.462	6756	GWS	-0.78199470433
19025	0.000	0.000	0.000	2088758.198	6023710.274	8649	GWS	0.88879082083
19026	0.000	0.000	0.000	2088759.420	6023709.702	7382	GWS	-0.22947925861
19027	0.000	0.000	0.000	2088758.152	6023710.315	8295	GWS	0.57634598411
19028	0.000	0.000	0.000	2088755.864	6023711.371	8283	GWS	0.56575463372
19029	0.000	0.000	0.000	2088753.209	6023711.584	7171	GWS	-0.41571050309
19030	0.000	0.000	0.000	2088750.461	6023712.511	8152	GWS	0.45013239188
19031	0.000	0.000	0.000	2088747.419	6023713.766	8218	GWS	0.50838481906
19032	0.000	0.000	0.000	2088744.400	6023714.737	7124	GWS	-0.45719329215
19033	0.000	0.000	0.000	2088741.233	6023715.625	8051	GWS	0.36098852604
19034	0.000	0.000	0.000	2088738.233	6023716.481	7862	GWS	0.19417475728

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19035	0.000	0.000	0.000	2088735.127	6023716.411	7875	GWS	0.20564872021
19036	0.000	0.000	0.000	2088732.030	6023716.563	7908	GWS	0.23477493380
19037	0.000	0.000	0.000	2088729.313	6023717.275	7497	GWS	-0.12797881730
19038	0.000	0.000	0.000	2088726.658	6023717.518	8084	GWS	0.39011473963
19039	0.000	0.000	0.000	2088724.148	6023718.344	8951	GWS	1.15533980583
19040	0.000	0.000	0.000	2088722.103	6023719.762	8207	GWS	0.49867608120
19041	0.000	0.000	0.000	2088719.773	6023719.991	9341	GWS	1.49955869373
19042	0.000	0.000	0.000	2088717.270	6023719.326	8755	GWS	0.98234774934
19043	0.000	0.000	0.000	2088715.794	6023717.659	9359	GWS	1.51544571933
19044	0.000	0.000	0.000	2088715.355	6023715.329	8099	GWS	0.40335392763
19045	0.000	0.000	0.000	2088715.987	6023712.665	9195	GWS	1.37069726390
19046	0.000	0.000	0.000	2088718.104	6023711.585	9618	GWS	1.74404236540
19047	0.000	0.000	0.000	2088720.635	6023711.501	8854	GWS	1.06972639011
19048	0.000	0.000	0.000	2088722.977	6023712.379	9443	GWS	1.58958517211
19049	0.000	0.000	0.000	2088723.789	6023714.426	8091	GWS	0.39629302736
19050	0.000	0.000	0.000	2088723.896	6023716.744	8592	GWS	0.83848190644
19051	0.000	0.000	0.000	2088722.539	6023718.427	8898	GWS	1.10856134157
19052	0.000	0.000	0.000	2088720.559	6023719.381	8794	GWS	1.01676963813
19053	0.000	0.000	0.000	2088718.158	6023719.638	9398	GWS	1.54986760812
19054	0.000	0.000	0.000	2088717.862	6023717.861	8379	GWS	0.65048543689
19055	0.000	0.000	0.000	2088717.621	6023716.065	8215	GWS	0.50573698147
19056	0.000	0.000	0.000	2088718.297	6023714.536	8143	GWS	0.44218887908
19057	0.000	0.000	0.000	2088719.772	6023713.832	8666	GWS	0.90379523389
19058	0.000	0.000	0.000	2088720.963	6023714.283	7596	GWS	-0.04060017652
19059	0.000	0.000	0.000	2088720.285	6023714.990	8499	GWS	0.75639894087
19060	0.000	0.000	0.000	2088720.261	6023715.870	8214	GWS	0.50485436893
19061	0.000	0.000	0.000	2088721.093	6023716.132	7573	GWS	-0.06090026478
19062	0.000	0.000	0.000	2088723.065	6023717.910	7743	GWS	0.08914386584
19063	0.000	0.000	0.000	2088725.068	6023720.323	7095	GWS	-0.48278905561
19064	0.000	0.000	0.000	2088727.334	6023722.618	8283	GWS	0.56575463372
19065	0.000	0.000	0.000	2088729.322	6023724.710	6601	GWS	-0.91879964696
19066	0.000	0.000	0.000	2088731.268	6023726.800	7710	GWS	0.06001765225
19067	0.000	0.000	0.000	2088733.465	6023728.309	7327	GWS	-0.27802294793
19068	0.000	0.000	0.000	2088735.400	6023730.004	7262	GWS	-0.33539276258
19069	0.000	0.000	0.000	2088737.518	6023731.044	7935	GWS	0.25860547220
19070	0.000	0.000	0.000	2088739.616	6023731.445	7833	GWS	0.16857899382
19071	0.000	0.000	0.000	2088741.883	6023730.852	7328	GWS	-0.27714033539
19072	0.000	0.000	0.000	2088742.950	6023729.023	7352	GWS	-0.25595763460
19073	0.000	0.000	0.000	2088744.475	6023726.937	7478	GWS	-0.14474845543
19074	0.000	0.000	0.000	2088745.947	6023724.528	6279	GWS	-1.20300088261
19075	0.000	0.000	0.000	2088747.678	6023722.359	6550	GWS	-0.96381288614
19076	0.000	0.000	0.000	2088749.477	6023720.893	6917	GWS	-0.63989408650
19077	0.000	0.000	0.000	2088750.831	6023719.054	6679	GWS	-0.84995586937
19078	0.000	0.000	0.000	2088752.722	6023717.261	6409	GWS	-1.08826125331
19079	0.000	0.000	0.000	2088754.162	6023715.233	7092	GWS	-0.48543689320

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19080	0.000	0.000	0.000	2088755.307	6023713.054	7143	GWS	-0.44042365402
19081	0.000	0.000	0.000	2088756.827	6023711.671	6525	GWS	-0.98587819947
19082	0.000	0.000	0.000	2088758.165	6023709.620	7031	GWS	-0.53927625772
19083	0.000	0.000	0.000	2088759.797	6023708.191	6948	GWS	-0.61253309797
19084	0.000	0.000	0.000	2088761.029	6023706.224	6237	GWS	-1.24007060900
19085	0.000	0.000	0.000	2088762.129	6023703.989	7769	GWS	0.11209179170
19086	0.000	0.000	0.000	2088763.884	6023701.940	6682	GWS	-0.84730803177
19087	0.000	0.000	0.000	2088765.067	6023699.812	7610	GWS	-0.02824360106
19088	0.000	0.000	0.000	2088766.566	6023698.016	7752	GWS	0.09708737864
19089	0.000	0.000	0.000	2088768.391	6023696.373	6168	GWS	-1.30097087379
19090	0.000	0.000	0.000	2088769.667	6023694.483	6942	GWS	-0.61782877317
19091	0.000	0.000	0.000	2088771.235	6023693.004	7825	GWS	0.16151809356
19092	0.000	0.000	0.000	2088772.193	6023691.183	6216	GWS	-1.25860547220
19093	0.000	0.000	0.000	2088773.648	6023689.898	4281	GWS	-2.96646072374
19094	0.000	0.000	0.000	2088775.486	6023688.946	5378	GWS	-1.99823477493
19095	0.000	0.000	0.000	2088775.847	6023688.500	6212	GWS	-1.26213592233
19096	0.000	0.000	0.000	2088774.370	6023687.909	6304	GWS	-1.18093556929
19097	0.000	0.000	0.000	2088773.255	6023689.012	6196	GWS	-1.27625772286
19098	0.000	0.000	0.000	2088772.308	6023690.415	6139	GWS	-1.32656663725
19099	0.000	0.000	0.000	2088771.575	6023692.370	7354	GWS	-0.25419240953
19100	0.000	0.000	0.000	2088770.128	6023694.163	7088	GWS	-0.48896734334
19101	0.000	0.000	0.000	2088770.563	6023694.502	7082	GWS	-0.49426301854
19102	0.000	0.000	0.000	2088769.676	6023692.625	7740	GWS	0.08649602824
19103	0.000	0.000	0.000	2088769.587	6023690.419	8295	GWS	0.57634598411
19104	0.000	0.000	0.000	2088770.093	6023688.183	7743	GWS	0.08914386584
19105	0.000	0.000	0.000	2088771.286	6023686.570	7576	GWS	-0.05825242718
19106	0.000	0.000	0.000	2088773.376	6023685.692	8074	GWS	0.38128861430
19107	0.000	0.000	0.000	2088775.305	6023685.462	7988	GWS	0.30538393645
19108	0.000	0.000	0.000	2088776.779	6023685.881	7487	GWS	-0.13680494263
19109	0.000	0.000	0.000	2088777.805	6023684.633	6041	GWS	-1.41306266549
19110	0.000	0.000	0.000	2088779.082	6023682.858	6705	GWS	-0.82700794351
19111	0.000	0.000	0.000	2088780.658	6023681.084	5396	GWS	-1.98234774934
19112	0.000	0.000	0.000	2088782.002	6023679.117	6133	GWS	-1.33186231244
19113	0.000	0.000	0.000	2088783.745	6023677.651	7443	GWS	-0.17563989409
19114	0.000	0.000	0.000	2088784.974	6023676.265	8010	GWS	0.32480141218
19115	0.000	0.000	0.000	2088785.328	6023674.727	6652	GWS	-0.87378640777
19116	0.000	0.000	0.000	2088785.649	6023672.879	6583	GWS	-0.93468667255
19117	0.000	0.000	0.000	2088786.106	6023670.583	7076	GWS	-0.49955869373
19118	0.000	0.000	0.000	2088787.678	6023668.779	6689	GWS	-0.84112974404
19119	0.000	0.000	0.000	2088788.899	6023666.920	7282	GWS	-0.31774051192
19120	0.000	0.000	0.000	2088790.780	6023665.667	6830	GWS	-0.71668137688
19121	0.000	0.000	0.000	2088792.998	6023664.953	7077	GWS	-0.49867608120
19122	0.000	0.000	0.000	2088794.452	6023663.262	7679	GWS	0.03265666372
19123	0.000	0.000	0.000	2088796.025	6023661.574	7560	GWS	-0.07237422771
19124	0.000	0.000	0.000	2088796.964	6023659.682	7110	GWS	-0.46954986761



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19125	0.000	0.000	0.000	2088797.641	6023658.234	7687	GWS	0.03971756399
19126	0.000	0.000	0.000	2088798.850	6023656.500	7381	GWS	-0.23036187114
19127	0.000	0.000	0.000	2088799.839	6023654.426	7350	GWS	-0.25772285967
19128	0.000	0.000	0.000	2088801.457	6023652.733	6723	GWS	-0.81112091792
19129	0.000	0.000	0.000	2088802.978	6023651.013	6241	GWS	-1.23654015887
19130	0.000	0.000	0.000	2088804.004	6023648.880	7710	GWS	0.06001765225
19131	0.000	0.000	0.000	2088805.597	6023647.295	7327	GWS	-0.27802294793
19132	0.000	0.000	0.000	2088806.617	6023645.748	6752	GWS	-0.78552515446
19133	0.000	0.000	0.000	2088808.156	6023644.797	6818	GWS	-0.72727272727
19134	0.000	0.000	0.000	2088809.385	6023643.204	5094	GWS	-2.24889673433
19135	0.000	0.000	0.000	2088810.584	6023641.623	4493	GWS	-2.77934686673
19136	0.000	0.000	0.000	2088812.206	6023640.878	5055	GWS	-2.28331862312
19137	0.000	0.000	0.000	2088812.204	6023640.730	6210	GWS	-1.26390114740
19138	0.000	0.000	0.000	2088811.121	6023640.455	6292	GWS	-1.19152691968
19139	0.000	0.000	0.000	2088809.783	6023641.217	6289	GWS	-1.19417475728
19140	0.000	0.000	0.000	2088808.909	6023642.884	6402	GWS	-1.09443954104
19141	0.000	0.000	0.000	2088806.904	6023644.382	7330	GWS	-0.27537511033
19142	0.000	0.000	0.000	2088806.363	6023645.947	7382	GWS	-0.22947925861
19143	0.000	0.000	0.000	2088806.020	6023645.805	7605	GWS	-0.03265666372
19144	0.000	0.000	0.000	2088805.961	6023644.070	8231	GWS	0.51985878200
19145	0.000	0.000	0.000	2088806.004	6023641.595	7848	GWS	0.18181818182
19146	0.000	0.000	0.000	2088807.345	6023639.588	8382	GWS	0.65313327449
19147	0.000	0.000	0.000	2088808.509	6023638.019	8185	GWS	0.47925860547
19148	0.000	0.000	0.000	2088810.192	6023637.398	7566	GWS	-0.06707855252
19149	0.000	0.000	0.000	2088811.837	6023637.192	7381	GWS	-0.23036187114
19150	0.000	0.000	0.000	2088813.136	6023636.927	7305	GWS	-0.29744042365
19151	0.000	0.000	0.000	2088814.862	6023636.230	6686	GWS	-0.84377758164
19152	0.000	0.000	0.000	2088816.142	6023634.444	7851	GWS	0.18446601942
19153	0.000	0.000	0.000	2088818.358	6023633.113	6733	GWS	-0.80229479259
19154	0.000	0.000	0.000	2088817.883	6023633.471	6843	GWS	-0.70520741395
19155	0.000	0.000	0.000	2088817.788	6023633.152	5580	GWS	-1.81994704325
19156	0.000	0.000	0.000	2088818.001	6023631.017	5884	GWS	-1.55163283319
19157	0.000	0.000	0.000	2088818.090	6023631.053	5986	GWS	-1.46160635481
19158	0.000	0.000	0.000	2088817.055	6023631.632	6037	GWS	-1.41659311562
19159	0.000	0.000	0.000	2088815.583	6023630.444	5901	GWS	-1.53662842012
19160	0.000	0.000	0.000	2088814.897	6023628.304	7432	GWS	-0.18534863195
19161	0.000	0.000	0.000	2088815.779	6023625.894	7018	GWS	-0.55075022065
19162	0.000	0.000	0.000	2088817.435	6023624.361	7094	GWS	-0.48367166814
19163	0.000	0.000	0.000	2088819.272	6023622.840	7293	GWS	-0.30803177405
19164	0.000	0.000	0.000	2088821.575	6023622.257	6533	GWS	-0.97881729921
19165	0.000	0.000	0.000	2088823.948	6023621.786	6613	GWS	-0.90820829656
19166	0.000	0.000	0.000	2088825.456	6023621.988	5373	GWS	-2.00264783760
19167	0.000	0.000	0.000	2088826.304	6023620.925	6247	GWS	-1.23124448367
19168	0.000	0.000	0.000	2088827.484	6023619.057	7292	GWS	-0.30891438658
19169	0.000	0.000	0.000	2088828.637	6023617.288	7523	GWS	-0.10503089144

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19170	0.000	0.000	0.000	2088829.113	6023616.549	7760	GWS	0.10414827891
19171	0.000	0.000	0.000	2088828.901	6023616.086	7100	GWS	-0.47837599294
19172	0.000	0.000	0.000	2088828.661	6023616.070	6245	GWS	-1.23300970874
19173	0.000	0.000	0.000	2088828.459	6023616.226	6571	GWS	-0.94527802295
19174	0.000	0.000	0.000	2088828.466	6023616.860	6112	GWS	-1.35039717564
19175	0.000	0.000	0.000	2088828.535	6023617.130	6568	GWS	-0.94792586055
19176	0.000	0.000	0.000	2088828.753	6023616.713	6322	GWS	-1.16504854369
19177	0.000	0.000	0.000	2088828.969	6023616.232	6320	GWS	-1.16681376876
19178	0.000	0.000	0.000	2088829.080	6023616.145	6135	GWS	-1.33009708738
19179	0.000	0.000	0.000	2088829.038	6023616.059	6693	GWS	-0.83759929391
19180	0.000	0.000	0.000	2088829.065	6023616.025	6983	GWS	-0.58164165931
19181	0.000	0.000	0.000	2088829.118	6023615.813	6546	GWS	-0.96734333628
19182	0.000	0.000	0.000	2088829.282	6023617.074	6166	GWS	-1.30273609885
19183	0.000	0.000	0.000	2088829.100	6023617.600	7271	GWS	-0.32744924978
19184	0.000	0.000	0.000	2088828.802	6023617.598	6438	GWS	-1.06266548985
19185	0.000	0.000	0.000	2088828.696	6023617.772	5804	GWS	-1.62224183583
19186	0.000	0.000	0.000	2088828.729	6023617.799	5560	GWS	-1.83759929391
19187	0.000	0.000	0.000	2088828.710	6023617.824	5940	GWS	-1.50220653133
19188	0.000	0.000	0.000	2088829.272	6023617.631	6592	GWS	-0.92674315975
19189	0.000	0.000	0.000	2088829.736	6023616.631	5577	GWS	-1.82259488085
19190	0.000	0.000	0.000	2088831.352	6023615.116	6981	GWS	-0.58340688438
19191	0.000	0.000	0.000	2088832.760	6023612.950	6575	GWS	-0.94174757282
19192	0.000	0.000	0.000	2088834.037	6023610.837	7367	GWS	-0.24271844660
19193	0.000	0.000	0.000	2088835.973	6023609.008	6966	GWS	-0.59664607237
19194	0.000	0.000	0.000	2088837.181	6023606.641	6901	GWS	-0.65401588703
19195	0.000	0.000	0.000	2088838.488	6023604.797	6255	GWS	-1.22418358341
19196	0.000	0.000	0.000	2088839.769	6023603.361	7383	GWS	-0.22859664607
19197	0.000	0.000	0.000	2088840.840	6023601.455	6736	GWS	-0.79964695499
19198	0.000	0.000	0.000	2088842.301	6023599.696	6784	GWS	-0.75728155340
19199	0.000	0.000	0.000	2088843.665	6023597.694	6376	GWS	-1.11738746690
19200	0.000	0.000	0.000	2088844.783	6023595.826	6201	GWS	-1.27184466019
19201	0.000	0.000	0.000	2088846.355	6023594.772	4500	GWS	-2.77316857899
19202	0.000	0.000	0.000	2088847.754	6023593.563	4706	GWS	-2.59135039718
19203	0.000	0.000	0.000	2088849.145	6023592.985	5707	GWS	-1.70785525154
19204	0.000	0.000	0.000	2088848.585	6023592.202	6415	GWS	-1.08296557811
19205	0.000	0.000	0.000	2088847.532	6023592.739	7513	GWS	-0.11385701677
19206	0.000	0.000	0.000	2088845.605	6023593.730	7788	GWS	0.12886142983
19207	0.000	0.000	0.000	2088844.996	6023595.386	7077	GWS	-0.49867608120
19208	0.000	0.000	0.000	2088844.003	6023597.549	7709	GWS	0.05913503972
19209	0.000	0.000	0.000	2088843.147	6023598.563	8437	GWS	0.70167696381
19210	0.000	0.000	0.000	2088842.450	6023597.683	6789	GWS	-0.75286849073
19211	0.000	0.000	0.000	2088842.419	6023595.762	8267	GWS	0.55163283319
19212	0.000	0.000	0.000	2088842.716	6023593.299	8666	GWS	0.90379523389
19213	0.000	0.000	0.000	2088843.993	6023591.661	9216	GWS	1.38923212710
19214	0.000	0.000	0.000	2088845.782	6023590.159	8214	GWS	0.50485436893

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19215	0.000	0.000	0.000	2088847.740	6023590.154	8113	GWS	0.41571050309
19216	0.000	0.000	0.000	2088849.667	6023590.482	8028	GWS	0.34068843778
19217	0.000	0.000	0.000	2088850.614	6023589.977	7527	GWS	-0.10150044131
19218	0.000	0.000	0.000	2088849.876	6023588.839	8061	GWS	0.36981465137
19219	0.000	0.000	0.000	2088848.757	6023586.834	7325	GWS	-0.27978817299
19220	0.000	0.000	0.000	2088849.178	6023584.690	6721	GWS	-0.81288614298
19221	0.000	0.000	0.000	2088850.738	6023582.307	7680	GWS	0.03353927626
19222	0.000	0.000	0.000	2088852.969	6023581.940	7470	GWS	-0.15180935569
19223	0.000	0.000	0.000	2088854.959	6023582.220	6997	GWS	-0.56928508385
19224	0.000	0.000	0.000	2088856.446	6023581.918	7239	GWS	-0.35569285084
19225	0.000	0.000	0.000	2088857.726	6023580.644	7660	GWS	0.01588702560
19226	0.000	0.000	0.000	2088858.053	6023578.532	8605	GWS	0.84995586937
19227	0.000	0.000	0.000	2088858.930	6023576.671	9501	GWS	1.64077669903
19228	0.000	0.000	0.000	2088859.676	6023574.503	10025	GWS	2.10326566637
19229	0.000	0.000	0.000	2088861.025	6023572.816	10336	GWS	2.37775816417
19230	0.000	0.000	0.000	2088862.308	6023571.151	10504	GWS	2.52603706973
19231	0.000	0.000	0.000	2088864.084	6023570.108	8746	GWS	0.97440423654
19232	0.000	0.000	0.000	2088866.021	6023569.090	9086	GWS	1.27449249779
19233	0.000	0.000	0.000	2088867.136	6023567.959	8931	GWS	1.13768755516
19234	0.000	0.000	0.000	2088868.066	6023566.855	8233	GWS	0.52162400706
19235	0.000	0.000	0.000	2088866.570	6023566.682	6978	GWS	-0.58605472198
19236	0.000	0.000	0.000	2088863.701	6023567.423	8284	GWS	0.56663724625
19237	0.000	0.000	0.000	2088860.680	6023567.857	9301	GWS	1.46425419241
19238	0.000	0.000	0.000	2088857.682	6023568.431	9375	GWS	1.52956751986
19239	0.000	0.000	0.000	2088854.689	6023569.357	8883	GWS	1.09532215357
19240	0.000	0.000	0.000	2088851.931	6023570.055	8431	GWS	0.69638128861
19241	0.000	0.000	0.000	2088849.206	6023571.055	8527	GWS	0.78111209179
19242	0.000	0.000	0.000	2088846.492	6023572.100	8822	GWS	1.04148278906
19243	0.000	0.000	0.000	2088843.482	6023572.588	7815	GWS	0.15269196823
19244	0.000	0.000	0.000	2088840.489	6023573.402	7953	GWS	0.27449249779
19245	0.000	0.000	0.000	2088837.953	6023573.823	8768	GWS	0.99382171227
19246	0.000	0.000	0.000	2088835.340	6023573.760	8552	GWS	0.80317740512
19247	0.000	0.000	0.000	2088833.204	6023575.153	9188	GWS	1.36451897617
19248	0.000	0.000	0.000	2088831.179	6023576.279	8387	GWS	0.65754633716
19249	0.000	0.000	0.000	2088828.848	6023576.690	9536	GWS	1.67166813769
19250	0.000	0.000	0.000	2088826.187	6023576.507	8924	GWS	1.13150926743
19251	0.000	0.000	0.000	2088824.958	6023574.946	7931	GWS	0.25507502207
19252	0.000	0.000	0.000	2088824.851	6023572.811	8102	GWS	0.40600176523
19253	0.000	0.000	0.000	2088825.862	6023570.967	9315	GWS	1.47661076787
19254	0.000	0.000	0.000	2088827.297	6023569.820	10008	GWS	2.08826125331
19255	0.000	0.000	0.000	2088829.553	6023568.707	9282	GWS	1.44748455428
19256	0.000	0.000	0.000	2088831.366	6023569.272	9490	GWS	1.63106796117
19257	0.000	0.000	0.000	2088832.734	6023570.925	10052	GWS	2.12709620477
19258	0.000	0.000	0.000	2088833.173	6023573.123	9053	GWS	1.24536628420
19259	0.000	0.000	0.000	2088832.554	6023574.984	8923	GWS	1.13062665490

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19260	0.000	0.000	0.000	2088830.688	6023575.936	8681	GWS	0.91703442189
19261	0.000	0.000	0.000	2088829.894	6023575.266	8110	GWS	0.41306266549
19262	0.000	0.000	0.000	2088828.247	6023574.268	7607	GWS	-0.03089143866
19263	0.000	0.000	0.000	2088827.577	6023572.709	7151	GWS	-0.43336275375
19264	0.000	0.000	0.000	2088828.208	6023571.425	7098	GWS	-0.48014121801
19265	0.000	0.000	0.000	2088829.563	6023571.181	8014	GWS	0.32833186231
19266	0.000	0.000	0.000	2088830.296	6023572.563	8273	GWS	0.55692850839
19267	0.000	0.000	0.000	2088831.210	6023573.059	8158	GWS	0.45542806708
19268	0.000	0.000	0.000	2088831.014	6023573.397	7679	GWS	0.03265666372
19269	0.000	0.000	0.000	2088829.617	6023572.532	8040	GWS	0.35127978817
19270	0.000	0.000	0.000	2088830.449	6023572.696	7890	GWS	0.21888790821
19271	0.000	0.000	0.000	2088832.281	6023574.659	7402	GWS	-0.21182700794
19272	0.000	0.000	0.000	2088834.818	6023576.424	9080	GWS	1.26919682259
19273	0.000	0.000	0.000	2088837.659	6023577.303	8360	GWS	0.63371579876
19274	0.000	0.000	0.000	2088840.266	6023577.856	8840	GWS	1.05736981465
19275	0.000	0.000	0.000	2088843.090	6023578.397	7820	GWS	0.15710503089
19276	0.000	0.000	0.000	2088846.098	6023578.515	8375	GWS	0.64695498676
19277	0.000	0.000	0.000	2088848.842	6023578.578	8423	GWS	0.68932038835
19278	0.000	0.000	0.000	2088851.466	6023578.279	8646	GWS	0.88614298323
19279	0.000	0.000	0.000	2088854.088	6023577.412	8911	GWS	1.12003530450
19280	0.000	0.000	0.000	2088856.539	6023576.585	8767	GWS	0.99293909974
19281	0.000	0.000	0.000	2088858.145	6023575.308	10052	GWS	2.12709620477
19282	0.000	0.000	0.000	2088859.947	6023573.256	9173	GWS	1.35127978817
19283	0.000	0.000	0.000	2088861.924	6023572.000	10153	GWS	2.21624007061
19284	0.000	0.000	0.000	2088863.599	6023570.317	10488	GWS	2.51191526920
19285	0.000	0.000	0.000	2088865.637	6023568.864	8772	GWS	0.99735216240
19286	0.000	0.000	0.000	2088867.104	6023567.171	8013	GWS	0.32744924978
19287	0.000	0.000	0.000	2088868.446	6023565.090	7673	GWS	0.02736098853
19288	0.000	0.000	0.000	2088870.159	6023563.476	7168	GWS	-0.41835834069
19289	0.000	0.000	0.000	2088871.733	6023561.362	7672	GWS	0.02647837599
19290	0.000	0.000	0.000	2088873.417	6023559.729	7078	GWS	-0.49779346867
19291	0.000	0.000	0.000	2088874.817	6023558.055	7679	GWS	0.03265666372
19292	0.000	0.000	0.000	2088876.092	6023556.256	7380	GWS	-0.23124448367
19293	0.000	0.000	0.000	2088877.484	6023554.615	8175	GWS	0.47043248014
19294	0.000	0.000	0.000	2088878.672	6023552.518	7803	GWS	0.14210061783
19295	0.000	0.000	0.000	2088880.249	6023551.220	6390	GWS	-1.10503089144
19296	0.000	0.000	0.000	2088881.509	6023549.725	5947	GWS	-1.49602824360
19297	0.000	0.000	0.000	2088882.858	6023548.172	5828	GWS	-1.60105913504
19298	0.000	0.000	0.000	2088884.282	6023546.950	4763	GWS	-2.54104148279
19299	0.000	0.000	0.000	2088884.790	6023546.129	5574	GWS	-1.82524271845
19300	0.000	0.000	0.000	2088885.036	6023545.239	5775	GWS	-1.64783759929
19301	0.000	0.000	0.000	2088884.121	6023545.521	5708	GWS	-1.70697263901
19302	0.000	0.000	0.000	2088882.746	6023547.177	7045	GWS	-0.52691968226
19303	0.000	0.000	0.000	2088881.483	6023548.678	8061	GWS	0.36981465137
19304	0.000	0.000	0.000	2088879.850	6023550.661	8945	GWS	1.15004413063

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19305	0.000	0.000	0.000	2088879.129	6023549.703	8956	GWS	1.15975286849
19306	0.000	0.000	0.000	2088878.981	6023547.477	8449	GWS	0.71226831421
19307	0.000	0.000	0.000	2088879.727	6023545.164	9024	GWS	1.21977052074
19308	0.000	0.000	0.000	2088881.310	6023543.612	9363	GWS	1.51897616946
19309	0.000	0.000	0.000	2088883.731	6023542.597	6840	GWS	-0.70785525155
19310	0.000	0.000	0.000	2088886.086	6023542.811	7290	GWS	-0.31067961165
19311	0.000	0.000	0.000	2088887.360	6023541.701	6892	GWS	-0.66195939982
19312	0.000	0.000	0.000	2088889.014	6023540.281	7873	GWS	0.20388349515
19313	0.000	0.000	0.000	2088890.388	6023538.144	7128	GWS	-0.45366284201
19314	0.000	0.000	0.000	2088891.715	6023536.287	7122	GWS	-0.45895851721
19315	0.000	0.000	0.000	2088893.087	6023534.493	6310	GWS	-1.17563989409
19316	0.000	0.000	0.000	2088893.858	6023532.695	6467	GWS	-1.03706972639
19317	0.000	0.000	0.000	2088895.431	6023531.125	5516	GWS	-1.87643424537
19318	0.000	0.000	0.000	2088896.315	6023529.363	5765	GWS	-1.65666372462
19319	0.000	0.000	0.000	2088897.683	6023528.110	6392	GWS	-1.10326566637
19320	0.000	0.000	0.000	2088898.581	6023526.626	6368	GWS	-1.12444836717
19321	0.000	0.000	0.000	2088898.533	6023525.005	7322	GWS	-0.28243601059
19322	0.000	0.000	0.000	2088899.164	6023523.530	7140	GWS	-0.44307149162
19323	0.000	0.000	0.000	2088900.294	6023521.936	6975	GWS	-0.58870255958
19324	0.000	0.000	0.000	2088901.476	6023520.955	7683	GWS	0.03618711386
19325	0.000	0.000	0.000	2088902.327	6023519.102	7531	GWS	-0.09796999117
19326	0.000	0.000	0.000	2088903.562	6023517.520	8182	GWS	0.47661076787
19327	0.000	0.000	0.000	2088905.360	6023516.747	7685	GWS	0.03795233892
19328	0.000	0.000	0.000	2088906.767	6023515.734	7021	GWS	-0.54810238305
19329	0.000	0.000	0.000	2088908.487	6023514.454	6705	GWS	-0.82700794351
19330	0.000	0.000	0.000	2088909.887	6023512.446	7496	GWS	-0.12886142983
19331	0.000	0.000	0.000	2088911.280	6023510.363	6794	GWS	-0.74845542807
19332	0.000	0.000	0.000	2088912.617	6023508.456	7308	GWS	-0.29479258606
19333	0.000	0.000	0.000	2088913.856	6023506.507	6717	GWS	-0.81641659312
19334	0.000	0.000	0.000	2088915.369	6023504.994	6749	GWS	-0.78817299206
19335	0.000	0.000	0.000	2088916.609	6023503.543	5557	GWS	-1.84024713151
19336	0.000	0.000	0.000	2088918.086	6023502.493	5076	GWS	-2.26478375993
19337	0.000	0.000	0.000	2088919.536	6023501.385	5562	GWS	-1.83583406884
19338	0.000	0.000	0.000	2088919.777	6023500.754	6354	GWS	-1.13680494263
19339	0.000	0.000	0.000	2088918.498	6023500.178	8488	GWS	0.74669020300
19340	0.000	0.000	0.000	2088917.026	6023501.461	6982	GWS	-0.58252427185
19341	0.000	0.000	0.000	2088916.188	6023502.689	6665	GWS	-0.86231244484
19342	0.000	0.000	0.000	2088914.413	6023504.088	6766	GWS	-0.77316857899
19343	0.000	0.000	0.000	2088912.964	6023505.168	6047	GWS	-1.40776699029
19344	0.000	0.000	0.000	2088912.709	6023505.658	6349	GWS	-1.14121800530
19345	0.000	0.000	0.000	2088913.523	6023505.771	7617	GWS	-0.02206531333
19346	0.000	0.000	0.000	2088913.358	6023504.852	7574	GWS	-0.06001765225
19347	0.000	0.000	0.000	2088913.475	6023502.945	9243	GWS	1.41306266549
19348	0.000	0.000	0.000	2088914.505	6023500.747	8070	GWS	0.37775816417
19349	0.000	0.000	0.000	2088915.598	6023499.114	8077	GWS	0.38393645190

**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19350	0.000	0.000	0.000	2088917.513	6023498.265	8439	GWS	0.70344218888
19351	0.000	0.000	0.000	2088919.504	6023497.787	7420	GWS	-0.19593998235
19352	0.000	0.000	0.000	2088921.175	6023497.697	7375	GWS	-0.23565754634
19353	0.000	0.000	0.000	2088922.264	6023496.408	7363	GWS	-0.24624889673
19354	0.000	0.000	0.000	2088923.523	6023494.407	7181	GWS	-0.40688437776
19355	0.000	0.000	0.000	2088924.883	6023492.489	6865	GWS	-0.68578993822
19356	0.000	0.000	0.000	2088926.553	6023490.475	6576	GWS	-0.94086496028
19357	0.000	0.000	0.000	2088928.379	6023488.920	6564	GWS	-0.95145631068
19358	0.000	0.000	0.000	2088929.387	6023487.040	6891	GWS	-0.66284201236
19359	0.000	0.000	0.000	2088930.757	6023485.260	7302	GWS	-0.30008826125
19360	0.000	0.000	0.000	2088932.473	6023483.524	7135	GWS	-0.44748455428
19361	0.000	0.000	0.000	2088933.492	6023481.566	8114	GWS	0.41659311562
19362	0.000	0.000	0.000	2088934.872	6023479.691	7008	GWS	-0.55957634598
19363	0.000	0.000	0.000	2088936.089	6023477.693	7482	GWS	-0.14121800530
19364	0.000	0.000	0.000	2088937.227	6023475.647	6760	GWS	-0.77846425419
19365	0.000	0.000	0.000	2088938.865	6023474.099	6490	GWS	-1.01676963813
19366	0.000	0.000	0.000	2088940.223	6023472.219	8372	GWS	0.64430714916
19367	0.000	0.000	0.000	2088941.597	6023470.710	8003	GWS	0.31862312445
19368	0.000	0.000	0.000	2088942.655	6023468.783	7430	GWS	-0.18711385702
19369	0.000	0.000	0.000	2088944.167	6023466.961	7947	GWS	0.26919682260
19370	0.000	0.000	0.000	2088945.725	6023465.319	8287	GWS	0.56928508385
19371	0.000	0.000	0.000	2088947.043	6023463.507	7441	GWS	-0.17740511915
19372	0.000	0.000	0.000	2088948.846	6023461.889	7380	GWS	-0.23124448367
19373	0.000	0.000	0.000	2088949.919	6023459.787	6855	GWS	-0.69461606355
19374	0.000	0.000	0.000	2088951.834	6023457.601	6693	GWS	-0.83759929391
19375	0.000	0.000	0.000	2088952.774	6023456.261	5933	GWS	-1.50838481906
19376	0.000	0.000	0.000	2088953.506	6023454.708	5345	GWS	-2.02736098853
19377	0.000	0.000	0.000	2088955.380	6023453.739	4919	GWS	-2.40335392763
19378	0.000	0.000	0.000	2088956.039	6023453.665	5782	GWS	-1.64165931156
19379	0.000	0.000	0.000	2088955.620	6023452.593	6124	GWS	-1.33980582524
19380	0.000	0.000	0.000	2088954.628	6023453.162	6301	GWS	-1.18358340688
19381	0.000	0.000	0.000	2088953.039	6023454.264	6765	GWS	-0.77405119153
19382	0.000	0.000	0.000	2088951.743	6023455.466	7691	GWS	0.04324801412
19383	0.000	0.000	0.000	2088950.535	6023457.237	7713	GWS	0.06266548985
19384	0.000	0.000	0.000	2088950.186	6023458.456	7778	GWS	0.12003530450
19385	0.000	0.000	0.000	2088950.165	6023457.388	8244	GWS	0.53133274493
19386	0.000	0.000	0.000	2088949.864	6023455.161	9351	GWS	1.50838481906
19387	0.000	0.000	0.000	2088950.918	6023453.057	8937	GWS	1.14298323036
19388	0.000	0.000	0.000	2088952.455	6023451.135	8624	GWS	0.86672550750
19389	0.000	0.000	0.000	2088954.644	6023450.148	8216	GWS	0.50661959400
19390	0.000	0.000	0.000	2088956.489	6023450.502	8324	GWS	0.60194174757
19391	0.000	0.000	0.000	2088957.571	6023449.669	7241	GWS	-0.35392762577
19392	0.000	0.000	0.000	2088959.311	6023448.786	6190	GWS	-1.28155339806
19393	0.000	0.000	0.000	2088960.637	6023447.635	6377	GWS	-1.11650485437
19394	0.000	0.000	0.000	2088959.535	6023446.681	7504	GWS	-0.12180052957

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19395	0.000	0.000	0.000	2088957.200	6023445.585	7726	GWS	0.07413945278
19396	0.000	0.000	0.000	2088954.689	6023444.205	8741	GWS	0.96999117388
19397	0.000	0.000	0.000	2088951.960	6023443.250	8515	GWS	0.77052074140
19398	0.000	0.000	0.000	2088949.570	6023442.082	8279	GWS	0.56222418358
19399	0.000	0.000	0.000	2088947.079	6023441.079	8069	GWS	0.37687555163
19400	0.000	0.000	0.000	2088944.235	6023440.392	8497	GWS	0.75463371580
19401	0.000	0.000	0.000	2088941.645	6023439.275	8154	GWS	0.45189761695
19402	0.000	0.000	0.000	2088939.296	6023438.440	9598	GWS	1.72639011474
19403	0.000	0.000	0.000	2088936.729	6023437.866	9959	GWS	2.04501323919
19404	0.000	0.000	0.000	2088934.657	6023436.947	9270	GWS	1.43689320388
19405	0.000	0.000	0.000	2088932.531	6023435.492	9727	GWS	1.84024713151
19406	0.000	0.000	0.000	2088931.823	6023433.358	9601	GWS	1.72903795234
19407	0.000	0.000	0.000	2088932.411	6023431.128	10320	GWS	2.36363636364
19408	0.000	0.000	0.000	2088933.966	6023429.302	10920	GWS	2.89320388350
19409	0.000	0.000	0.000	2088936.073	6023428.853	9960	GWS	2.04589585172
19410	0.000	0.000	0.000	2088938.514	6023429.014	10020	GWS	2.09885260371
19411	0.000	0.000	0.000	2088940.254	6023430.275	9645	GWS	1.76787290380
19412	0.000	0.000	0.000	2088940.939	6023432.184	9761	GWS	1.87025595763
19413	0.000	0.000	0.000	2088940.610	6023434.186	9280	GWS	1.44571932921
19414	0.000	0.000	0.000	2088939.405	6023435.749	8890	GWS	1.10150044131
19415	0.000	0.000	0.000	2088937.487	6023436.957	9092	GWS	1.27978817299
19416	0.000	0.000	0.000	2088936.373	6023436.029	9263	GWS	1.43071491615
19417	0.000	0.000	0.000	2088935.130	6023434.634	8945	GWS	1.15004413063
19418	0.000	0.000	0.000	2088934.965	6023433.125	8176	GWS	0.47131509267
19419	0.000	0.000	0.000	2088935.868	6023431.799	8074	GWS	0.38128861430
19420	0.000	0.000	0.000	2088937.275	6023431.780	8228	GWS	0.51721094440
19421	0.000	0.000	0.000	2088937.606	6023432.585	7967	GWS	0.28684907326
19422	0.000	0.000	0.000	2088936.935	6023432.489	8381	GWS	0.65225066196
19423	0.000	0.000	0.000	2088936.986	6023432.843	7075	GWS	-0.50044130627
19424	0.000	0.000	0.000	2088937.622	6023432.777	8489	GWS	0.74757281553
19425	0.000	0.000	0.000	2088937.948	6023433.345	7522	GWS	-0.10591350397
19426	0.000	0.000	0.000	2088940.071	6023434.309	8840	GWS	1.05736981465
19427	0.000	0.000	0.000	2088942.759	6023435.475	8480	GWS	0.73962930274
19428	0.000	0.000	0.000	2088945.134	6023437.068	8930	GWS	1.13680494263
19429	0.000	0.000	0.000	2088947.520	6023438.127	7962	GWS	0.28243601059
19430	0.000	0.000	0.000	2088950.020	6023438.932	7150	GWS	-0.43424536628
19431	0.000	0.000	0.000	2088952.658	6023440.103	8387	GWS	0.65754633716
19432	0.000	0.000	0.000	2088955.259	6023441.263	8276	GWS	0.55957634598
19433	0.000	0.000	0.000	2088957.092	6023443.228	8189	GWS	0.48278905561
19434	0.000	0.000	0.000	2088958.283	6023445.541	8137	GWS	0.43689320388
19435	0.000	0.000	0.000	2088959.621	6023446.229	6774	GWS	-0.76610767873
19436	0.000	0.000	0.000	2088961.537	6023445.662	5863	GWS	-1.57016769638
19437	0.000	0.000	0.000	2088963.017	6023443.456	7238	GWS	-0.35657546337
19438	0.000	0.000	0.000	2088964.235	6023440.961	7479	GWS	-0.14386584290
19439	0.000	0.000	0.000	2088965.854	6023438.823	7390	GWS	-0.22241835834

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19440	0.000	0.000	0.000	2088967.279	6023436.525	7397	GWS	-0.21624007061
19441	0.000	0.000	0.000	2088969.138	6023434.497	7729	GWS	0.07678729038
19442	0.000	0.000	0.000	2088970.774	6023432.800	7452	GWS	-0.16769638129
19443	0.000	0.000	0.000	2088972.235	6023430.815	7563	GWS	-0.06972639011
19444	0.000	0.000	0.000	2088974.006	6023428.936	8700	GWS	0.93380406002
19445	0.000	0.000	0.000	2088975.248	6023426.820	7995	GWS	0.31156222418
19446	0.000	0.000	0.000	2088976.335	6023424.798	7398	GWS	-0.21535745808
19447	0.000	0.000	0.000	2088977.857	6023423.185	7669	GWS	0.02383053839
19448	0.000	0.000	0.000	2088979.374	6023421.071	8487	GWS	0.74580759047
19449	0.000	0.000	0.000	2088981.308	6023419.314	7903	GWS	0.23036187114
19450	0.000	0.000	0.000	2088983.284	6023417.400	8203	GWS	0.49514563107
19451	0.000	0.000	0.000	2088984.370	6023415.177	8050	GWS	0.36010591350
19452	0.000	0.000	0.000	2088986.051	6023413.431	7022	GWS	-0.54721977052
19453	0.000	0.000	0.000	2088987.524	6023411.189	7275	GWS	-0.32391879965
19454	0.000	0.000	0.000	2088988.448	6023409.377	7608	GWS	-0.03000882613
19455	0.000	0.000	0.000	2088989.683	6023407.947	5112	GWS	-2.23300970874
19456	0.000	0.000	0.000	2088990.811	6023406.348	4585	GWS	-2.69814651368
19457	0.000	0.000	0.000	2088992.136	6023405.639	5879	GWS	-1.55604589585
19458	0.000	0.000	0.000	2088992.159	6023404.994	5774	GWS	-1.64872021183
19459	0.000	0.000	0.000	2088991.191	6023404.869	6680	GWS	-0.84907325684
19460	0.000	0.000	0.000	2088989.653	6023405.650	7760	GWS	0.10414827891
19461	0.000	0.000	0.000	2088989.178	6023407.268	8090	GWS	0.39541041483
19462	0.000	0.000	0.000	2088988.015	6023408.439	8652	GWS	0.89143865843
19463	0.000	0.000	0.000	2088987.063	6023409.918	8073	GWS	0.38040600177
19464	0.000	0.000	0.000	2088986.284	6023410.192	7988	GWS	0.30538393645
19465	0.000	0.000	0.000	2088986.420	6023408.866	7967	GWS	0.28684907326
19466	0.000	0.000	0.000	2088986.713	6023406.447	8741	GWS	0.96999117388
19467	0.000	0.000	0.000	2088988.159	6023404.589	9145	GWS	1.32656663725
19468	0.000	0.000	0.000	2088990.469	6023402.947	7356	GWS	-0.25242718447
19469	0.000	0.000	0.000	2088992.533	6023402.439	7989	GWS	0.30626654899
19470	0.000	0.000	0.000	2088994.445	6023401.763	7337	GWS	-0.26919682260
19471	0.000	0.000	0.000	2088995.947	6023400.121	6214	GWS	-1.26037069726
19472	0.000	0.000	0.000	2088997.602	6023398.486	7733	GWS	0.08031774051
19473	0.000	0.000	0.000	2088998.741	6023396.538	7333	GWS	-0.27272727273
19474	0.000	0.000	0.000	2088999.698	6023394.494	7713	GWS	0.06266548985
19475	0.000	0.000	0.000	2089000.925	6023392.920	6578	GWS	-0.93909973522
19476	0.000	0.000	0.000	2089001.205	6023391.477	6354	GWS	-1.13680494263
19477	0.000	0.000	0.000	2089001.891	6023389.982	7288	GWS	-0.31244483672
19478	0.000	0.000	0.000	2089002.544	6023388.249	7072	GWS	-0.50308914387
19479	0.000	0.000	0.000	2089003.632	6023387.318	8038	GWS	0.34951456311
19480	0.000	0.000	0.000	2089004.502	6023385.639	8699	GWS	0.93292144749
19481	0.000	0.000	0.000	2089005.867	6023384.414	7335	GWS	-0.27096204766
19482	0.000	0.000	0.000	2089007.560	6023383.595	7383	GWS	-0.22859664607
19483	0.000	0.000	0.000	2089009.035	6023383.272	7905	GWS	0.23212709621
19484	0.000	0.000	0.000	2089010.470	6023382.477	6836	GWS	-0.71138570168



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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19485	0.000	0.000	0.000	2089010.964	6023381.232	8549	GWS	0.80052956752
19486	0.000	0.000	0.000	2089012.152	6023380.038	6607	GWS	-0.91350397176
19487	0.000	0.000	0.000	2089012.677	6023377.940	6661	GWS	-0.86584289497
19488	0.000	0.000	0.000	2089014.019	6023376.077	5790	GWS	-1.63459841130
19489	0.000	0.000	0.000	2089015.669	6023374.186	7513	GWS	-0.11385701677
19490	0.000	0.000	0.000	2089016.973	6023372.084	6408	GWS	-1.08914386584
19491	0.000	0.000	0.000	2089018.726	6023370.323	6942	GWS	-0.61782877317
19492	0.000	0.000	0.000	2089019.949	6023368.315	6715	GWS	-0.81818181818
19493	0.000	0.000	0.000	2089021.399	6023366.153	7049	GWS	-0.52338923213
19494	0.000	0.000	0.000	2089023.217	6023364.446	7882	GWS	0.21182700794
19495	0.000	0.000	0.000	2089024.740	6023362.588	7880	GWS	0.21006178288
19496	0.000	0.000	0.000	2089026.210	6023361.239	7190	GWS	-0.39894086496
19497	0.000	0.000	0.000	2089027.383	6023359.789	5216	GWS	-2.14121800530
19498	0.000	0.000	0.000	2089028.483	6023358.532	4899	GWS	-2.42100617829
19499	0.000	0.000	0.000	2089029.319	6023357.601	6318	GWS	-1.16857899382
19500	0.000	0.000	0.000	2089028.631	6023357.106	5779	GWS	-1.64430714916
19501	0.000	0.000	0.000	2089027.340	6023357.329	5883	GWS	-1.55251544572
19502	0.000	0.000	0.000	2089026.078	6023358.346	6167	GWS	-1.30185348632
19503	0.000	0.000	0.000	2089025.470	6023360.239	7271	GWS	-0.32744924978
19504	0.000	0.000	0.000	2089024.140	6023361.783	7518	GWS	-0.10944395410
19505	0.000	0.000	0.000	2089022.800	6023362.599	7189	GWS	-0.39982347749
19506	0.000	0.000	0.000	2089022.646	6023361.472	8157	GWS	0.45454545455
19507	0.000	0.000	0.000	2089022.731	6023359.149	8219	GWS	0.50926743160
19508	0.000	0.000	0.000	2089023.907	6023357.100	8475	GWS	0.73521624007
19509	0.000	0.000	0.000	2089025.786	6023355.801	8928	GWS	1.13503971756
19510	0.000	0.000	0.000	2089027.973	6023355.199	8532	GWS	0.78552515446
19511	0.000	0.000	0.000	2089030.113	6023355.113	7443	GWS	-0.17563989409
19512	0.000	0.000	0.000	2089031.817	6023353.582	6660	GWS	-0.86672550750
19513	0.000	0.000	0.000	2089033.022	6023351.391	6375	GWS	-1.11827007944
19514	0.000	0.000	0.000	2089034.806	6023349.420	7023	GWS	-0.54633715799
19515	0.000	0.000	0.000	2089036.193	6023347.217	6676	GWS	-0.85260370697
19516	0.000	0.000	0.000	2089037.745	6023345.320	8389	GWS	0.65931156222
19517	0.000	0.000	0.000	2089039.383	6023343.360	7767	GWS	0.11032656664
19518	0.000	0.000	0.000	2089040.626	6023341.344	7222	GWS	-0.37069726390
19519	0.000	0.000	0.000	2089042.086	6023339.697	7085	GWS	-0.49161518094
19520	0.000	0.000	0.000	2089043.267	6023337.622	7321	GWS	-0.28331862312
19521	0.000	0.000	0.000	2089044.772	6023335.765	7290	GWS	-0.31067961165
19522	0.000	0.000	0.000	2089046.460	6023334.042	7252	GWS	-0.34421888791
19523	0.000	0.000	0.000	2089047.892	6023332.182	8443	GWS	0.70697263901
19524	0.000	0.000	0.000	2089049.665	6023330.702	7511	GWS	-0.11562224184
19525	0.000	0.000	0.000	2089050.635	6023328.742	7577	GWS	-0.05736981465
19526	0.000	0.000	0.000	2089051.804	6023326.596	6784	GWS	-0.75728155340
19527	0.000	0.000	0.000	2089053.273	6023324.885	7006	GWS	-0.56134157105
19528	0.000	0.000	0.000	2089054.433	6023322.980	7061	GWS	-0.51279788173
19529	0.000	0.000	0.000	2089055.836	6023321.427	8155	GWS	0.45278022948

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19530	0.000	0.000	0.000	2089057.105	6023319.541	7469	GWS	-0.15269196823
19531	0.000	0.000	0.000	2089058.965	6023317.981	7687	GWS	0.03971756399
19532	0.000	0.000	0.000	2089060.664	6023316.052	6091	GWS	-1.36893203883
19533	0.000	0.000	0.000	2089061.808	6023314.235	6082	GWS	-1.37687555163
19534	0.000	0.000	0.000	2089062.982	6023312.963	5026	GWS	-2.30891438658
19535	0.000	0.000	0.000	2089064.285	6023311.486	5002	GWS	-2.33009708738
19536	0.000	0.000	0.000	2089065.621	6023310.658	5806	GWS	-1.62047661077
19537	0.000	0.000	0.000	2089065.106	6023309.796	6153	GWS	-1.31421006178
19538	0.000	0.000	0.000	2089063.800	6023310.327	6027	GWS	-1.42541924095
19539	0.000	0.000	0.000	2089062.097	6023311.476	6850	GWS	-0.69902912621
19540	0.000	0.000	0.000	2089061.681	6023313.377	7502	GWS	-0.12356575463
19541	0.000	0.000	0.000	2089061.023	6023315.532	7695	GWS	0.04677846425
19542	0.000	0.000	0.000	2089059.964	6023315.750	7503	GWS	-0.12268314210
19543	0.000	0.000	0.000	2089058.567	6023314.163	7276	GWS	-0.32303618711
19544	0.000	0.000	0.000	2089058.921	6023312.100	9199	GWS	1.37422771403
19545	0.000	0.000	0.000	2089059.994	6023309.806	8779	GWS	1.00353045013
19546	0.000	0.000	0.000	2089061.688	6023308.391	8015	GWS	0.32921447485
19547	0.000	0.000	0.000	2089064.020	6023308.080	8453	GWS	0.71579876434
19548	0.000	0.000	0.000	2089065.654	6023308.070	8893	GWS	1.10414827891
19549	0.000	0.000	0.000	2089067.410	6023308.171	7083	GWS	-0.49338040600
19550	0.000	0.000	0.000	2089067.287	6023307.675	7740	GWS	0.08649602824
19551	0.000	0.000	0.000	2089066.524	6023306.115	7455	GWS	-0.16504854369
19552	0.000	0.000	0.000	2089065.755	6023303.774	7083	GWS	-0.49338040600
19553	0.000	0.000	0.000	2089066.725	6023301.708	8371	GWS	0.64342453663
19554	0.000	0.000	0.000	2089068.542	6023300.262	7672	GWS	0.02647837599
19555	0.000	0.000	0.000	2089070.462	6023299.728	8188	GWS	0.48190644307
19556	0.000	0.000	0.000	2089072.642	6023299.669	8047	GWS	0.35745807591
19557	0.000	0.000	0.000	2089073.653	6023298.159	8731	GWS	0.96116504854
19558	0.000	0.000	0.000	2089074.330	6023296.141	8332	GWS	0.60900264784
19559	0.000	0.000	0.000	2089075.131	6023293.947	8773	GWS	0.99823477493
19560	0.000	0.000	0.000	2089076.476	6023291.986	10323	GWS	2.36628420124
19561	0.000	0.000	0.000	2089077.581	6023289.673	10530	GWS	2.54898499559
19562	0.000	0.000	0.000	2089079.006	6023287.919	9262	GWS	1.42983230362
19563	0.000	0.000	0.000	2089081.010	6023286.990	9485	GWS	1.62665489850
19564	0.000	0.000	0.000	2089082.854	6023286.083	8341	GWS	0.61694616064
19565	0.000	0.000	0.000	2089084.398	6023284.775	7425	GWS	-0.19152691968
19566	0.000	0.000	0.000	2089085.510	6023282.866	7016	GWS	-0.55251544572
19567	0.000	0.000	0.000	2089087.095	6023281.425	7754	GWS	0.09885260371
19568	0.000	0.000	0.000	2089088.490	6023279.623	7758	GWS	0.10238305384
19569	0.000	0.000	0.000	2089090.091	6023277.840	7009	GWS	-0.55869373345
19570	0.000	0.000	0.000	2089091.495	6023276.000	7302	GWS	-0.30008826125
19571	0.000	0.000	0.000	2089093.051	6023274.312	7165	GWS	-0.42100617829
19572	0.000	0.000	0.000	2089094.395	6023272.439	7701	GWS	0.05207413945
19573	0.000	0.000	0.000	2089095.611	6023269.906	8585	GWS	0.83230361871
19574	0.000	0.000	0.000	2089097.343	6023267.754	6976	GWS	-0.58781994704

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19575	0.000	0.000	0.000	2089098.274	6023265.754	5344	GWS	-2.02824360106
19576	0.000	0.000	0.000	2089099.539	6023264.485	5053	GWS	-2.28508384819
19577	0.000	0.000	0.000	2089101.257	6023263.572	5040	GWS	-2.29655781112
19578	0.000	0.000	0.000	2089102.049	6023263.135	6262	GWS	-1.21800529568
19579	0.000	0.000	0.000	2089100.862	6023262.677	6248	GWS	-1.23036187114
19580	0.000	0.000	0.000	2089099.530	6023263.538	6572	GWS	-0.94439541042
19581	0.000	0.000	0.000	2089098.435	6023264.787	7283	GWS	-0.31685789938
19582	0.000	0.000	0.000	2089096.588	6023267.231	7400	GWS	-0.21359223301
19583	0.000	0.000	0.000	2089095.747	6023268.330	6560	GWS	-0.95498676081
19584	0.000	0.000	0.000	2089095.684	6023267.655	8870	GWS	1.08384819064
19585	0.000	0.000	0.000	2089095.285	6023265.684	8277	GWS	0.56045895852
19586	0.000	0.000	0.000	2089096.027	6023263.611	8759	GWS	0.98587819947
19587	0.000	0.000	0.000	2089097.852	6023261.392	9300	GWS	1.46337157988
19588	0.000	0.000	0.000	2089100.018	6023260.244	10005	GWS	2.08561341571
19589	0.000	0.000	0.000	2089102.019	6023259.998	7961	GWS	0.28155339806
19590	0.000	0.000	0.000	2089103.745	6023259.100	6400	GWS	-1.09620476611
19591	0.000	0.000	0.000	2089105.306	6023257.656	7030	GWS	-0.54015887026
19592	0.000	0.000	0.000	2089106.612	6023255.482	7667	GWS	0.02206531333
19593	0.000	0.000	0.000	2089108.413	6023253.931	8366	GWS	0.63901147396
19594	0.000	0.000	0.000	2089109.811	6023252.575	7701	GWS	0.05207413945
19595	0.000	0.000	0.000	2089110.889	6023251.885	7775	GWS	0.11738746690
19596	0.000	0.000	0.000	2089111.095	6023251.874	8093	GWS	0.39805825243
19597	0.000	0.000	0.000	2089111.147	6023251.923	8683	GWS	0.91879964696
19598	0.000	0.000	0.000	2089111.322	6023251.656	7721	GWS	0.06972639011
19599	0.000	0.000	0.000	2089110.520	6023252.147	7990	GWS	0.30714916152
19600	0.000	0.000	0.000	2089108.832	6023251.907	7517	GWS	-0.11032656664
19601	0.000	0.000	0.000	2089106.190	6023252.119	8299	GWS	0.57987643425
19602	0.000	0.000	0.000	2089103.482	6023253.362	8554	GWS	0.80494263019
19603	0.000	0.000	0.000	2089100.548	6023254.739	7088	GWS	-0.48896734334
19604	0.000	0.000	0.000	2089097.526	6023256.224	7862	GWS	0.19417475728
19605	0.000	0.000	0.000	2089094.741	6023258.071	8055	GWS	0.36451897617
19606	0.000	0.000	0.000	2089092.151	6023259.918	8013	GWS	0.32744924978
19607	0.000	0.000	0.000	2089089.800	6023261.949	6833	GWS	-0.71403353928
19608	0.000	0.000	0.000	2089088.035	6023264.503	7858	GWS	0.19064430715
19609	0.000	0.000	0.000	2089086.440	6023267.227	7724	GWS	0.07237422771
19610	0.000	0.000	0.000	2089084.481	6023269.721	9071	GWS	1.26125330980
19611	0.000	0.000	0.000	2089082.787	6023272.426	7877	GWS	0.20741394528
19612	0.000	0.000	0.000	2089082.003	6023275.155	7399	GWS	-0.21447484554
19613	0.000	0.000	0.000	2089080.663	6023277.643	6109	GWS	-1.35304501324
19614	0.000	0.000	0.000	2089078.746	6023279.974	7167	GWS	-0.41924095322
19615	0.000	0.000	0.000	2089076.574	6023282.051	7132	GWS	-0.45013239188
19616	0.000	0.000	0.000	2089073.745	6023283.371	8893	GWS	1.10414827891
19617	0.000	0.000	0.000	2089071.045	6023284.479	7893	GWS	0.22153574581
19618	0.000	0.000	0.000	2089068.659	6023285.451	7793	GWS	0.13327449250
19619	0.000	0.000	0.000	2089066.401	6023286.043	6598	GWS	-0.92144748455

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19620	0.000	0.000	0.000	2089063.941	6023286.964	8159	GWS	0.45631067961
19621	0.000	0.000	0.000	2089061.014	6023287.967	8490	GWS	0.74845542807
19622	0.000	0.000	0.000	2089058.157	6023288.351	8632	GWS	0.87378640777
19623	0.000	0.000	0.000	2089055.327	6023288.939	8458	GWS	0.72021182701
19624	0.000	0.000	0.000	2089052.717	6023289.914	9284	GWS	1.44924977935
19625	0.000	0.000	0.000	2089050.779	6023290.892	8831	GWS	1.04942630185
19626	0.000	0.000	0.000	2089049.305	6023292.669	9047	GWS	1.24007060900
19627	0.000	0.000	0.000	2089047.609	6023293.770	9161	GWS	1.34068843778
19628	0.000	0.000	0.000	2089045.701	6023294.250	8680	GWS	0.91615180936
19629	0.000	0.000	0.000	2089043.689	6023293.663	9370	GWS	1.52515445719
19630	0.000	0.000	0.000	2089042.319	6023292.069	8312	GWS	0.59135039718
19631	0.000	0.000	0.000	2089041.662	6023289.937	8918	GWS	1.12621359223
19632	0.000	0.000	0.000	2089042.404	6023288.398	9789	GWS	1.89496910856
19633	0.000	0.000	0.000	2089043.692	6023286.636	9197	GWS	1.37246248897
19634	0.000	0.000	0.000	2089045.493	6023285.746	8839	GWS	1.05648720212
19635	0.000	0.000	0.000	2089047.851	6023285.903	9529	GWS	1.66548984996
19636	0.000	0.000	0.000	2089049.239	6023287.224	9252	GWS	1.42100617829
19637	0.000	0.000	0.000	2089049.796	6023289.432	10083	GWS	2.15445719329
19638	0.000	0.000	0.000	2089049.799	6023291.998	9660	GWS	1.78111209179
19639	0.000	0.000	0.000	2089048.485	6023292.578	8865	GWS	1.07943512798
19640	0.000	0.000	0.000	2089046.935	6023292.501	7976	GWS	0.29479258606
19641	0.000	0.000	0.000	2089046.052	6023291.759	7274	GWS	-0.32480141218
19642	0.000	0.000	0.000	2089044.824	6023290.674	6648	GWS	-0.87731685790
19643	0.000	0.000	0.000	2089044.796	6023289.021	6942	GWS	-0.61782877317
19644	0.000	0.000	0.000	2089045.778	6023288.937	7705	GWS	0.05560458959
19645	0.000	0.000	0.000	2089046.654	6023289.359	7506	GWS	-0.12003530450
19646	0.000	0.000	0.000	2089047.001	6023290.180	8506	GWS	0.76257722860
19647	0.000	0.000	0.000	2089047.116	6023290.378	8246	GWS	0.53309796999
19648	0.000	0.000	0.000	2089047.881	6023290.424	7911	GWS	0.23742277140
19649	0.000	0.000	0.000	2089047.946	6023289.634	8488	GWS	0.74669020300
19650	0.000	0.000	0.000	2089046.863	6023289.510	8452	GWS	0.71491615181
19651	0.000	0.000	0.000	2089045.214	6023290.058	8263	GWS	0.54810238305
19652	0.000	0.000	0.000	2089045.695	6023291.474	8455	GWS	0.71756398941
19653	0.000	0.000	0.000	2089046.622	6023292.942	8174	GWS	0.46954986761
19654	0.000	0.000	0.000	2089048.593	6023293.789	7473	GWS	-0.14916151809
19655	0.000	0.000	0.000	2089051.574	6023293.987	7778	GWS	0.12003530450
19656	0.000	0.000	0.000	2089054.316	6023294.291	8274	GWS	0.55781112092
19657	0.000	0.000	0.000	2089057.097	6023294.361	7888	GWS	0.21712268314
19658	0.000	0.000	0.000	2089059.735	6023293.598	8032	GWS	0.34421888791
19659	0.000	0.000	0.000	2089062.612	6023292.768	8668	GWS	0.90556045896
19660	0.000	0.000	0.000	2089065.197	6023291.734	8347	GWS	0.62224183583
19661	0.000	0.000	0.000	2089067.511	6023290.055	8476	GWS	0.73609885260
19662	0.000	0.000	0.000	2089069.857	6023288.815	7999	GWS	0.31509267432
19663	0.000	0.000	0.000	2089072.116	6023287.494	8629	GWS	0.87113857017
19664	0.000	0.000	0.000	2089074.474	6023286.270	8967	GWS	1.16946160635

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19665	0.000	0.000	0.000	2089077.093	6023285.963	8872	GWS	1.08561341571
19666	0.000	0.000	0.000	2089079.676	6023285.406	8128	GWS	0.42894969109
19667	0.000	0.000	0.000	2089082.132	6023285.088	7882	GWS	0.21182700794
19668	0.000	0.000	0.000	2089084.491	6023284.235	7790	GWS	0.13062665490
19669	0.000	0.000	0.000	2089086.108	6023282.451	6537	GWS	-0.97528684907
19670	0.000	0.000	0.000	2089087.716	6023280.669	6134	GWS	-1.33097969991
19671	0.000	0.000	0.000	2089088.874	6023278.500	7173	GWS	-0.41394527802
19672	0.000	0.000	0.000	2089089.617	6023276.622	7013	GWS	-0.55516328332
19673	0.000	0.000	0.000	2089090.619	6023274.782	7693	GWS	0.04501323919
19674	0.000	0.000	0.000	2089091.748	6023272.706	6783	GWS	-0.75816416593
19675	0.000	0.000	0.000	2089093.546	6023271.125	6915	GWS	-0.64165931156
19676	0.000	0.000	0.000	2089095.028	6023269.650	7278	GWS	-0.32127096205
19677	0.000	0.000	0.000	2089096.070	6023268.347	7159	GWS	-0.42630185349
19678	0.000	0.000	0.000	2089097.501	6023266.989	7010	GWS	-0.55781112092
19679	0.000	0.000	0.000	2089098.670	6023265.463	5793	GWS	-1.63195057370
19680	0.000	0.000	0.000	2089099.829	6023264.544	4998	GWS	-2.33362753751
19681	0.000	0.000	0.000	2089101.152	6023263.572	5354	GWS	-2.01941747573
19682	0.000	0.000	0.000	2089101.557	6023262.784	6529	GWS	-0.98234774934
19683	0.000	0.000	0.000	2089101.268	6023262.657	6132	GWS	-1.33274492498
19684	0.000	0.000	0.000	2089100.087	6023262.985	5974	GWS	-1.47219770521
19685	0.000	0.000	0.000	2089098.767	6023264.750	6305	GWS	-1.18005295675
19686	0.000	0.000	0.000	2089097.025	6023266.613	7366	GWS	-0.24360105914
19687	0.000	0.000	0.000	2089095.513	6023266.132	7931	GWS	0.25507502207
19688	0.000	0.000	0.000	2089095.054	6023263.939	7353	GWS	-0.25507502207
19689	0.000	0.000	0.000	2089096.181	6023261.888	8348	GWS	0.62312444837
19690	0.000	0.000	0.000	2089098.221	6023260.333	8207	GWS	0.49867608120
19691	0.000	0.000	0.000	2089100.609	6023259.811	8411	GWS	0.67872903795
19692	0.000	0.000	0.000	2089102.961	6023260.021	8973	GWS	1.17475728155
19693	0.000	0.000	0.000	2089104.642	6023258.768	7013	GWS	-0.55516328332
19694	0.000	0.000	0.000	2089105.865	6023256.780	7753	GWS	0.09796999117
19695	0.000	0.000	0.000	2089107.305	6023254.874	7038	GWS	-0.53309796999
19696	0.000	0.000	0.000	2089108.474	6023252.541	7719	GWS	0.06796116505
19697	0.000	0.000	0.000	2089109.578	6023249.972	7444	GWS	-0.17475728155
19698	0.000	0.000	0.000	2089110.639	6023247.368	7831	GWS	0.16681376876
19699	0.000	0.000	0.000	2089111.204	6023244.904	7417	GWS	-0.19858781995
19700	0.000	0.000	0.000	2089112.584	6023243.032	5844	GWS	-1.58693733451
19701	0.000	0.000	0.000	2089114.351	6023241.300	5950	GWS	-1.49338040600
19702	0.000	0.000	0.000	2089116.439	6023239.573	8216	GWS	0.50661959400
19703	0.000	0.000	0.000	2089118.824	6023238.574	7664	GWS	0.01941747573
19704	0.000	0.000	0.000	2089120.737	6023237.299	7706	GWS	0.05648720212
19705	0.000	0.000	0.000	2089122.084	6023235.495	7536	GWS	-0.09355692851
19706	0.000	0.000	0.000	2089123.943	6023233.718	7854	GWS	0.18711385702
19707	0.000	0.000	0.000	2089125.370	6023231.601	7483	GWS	-0.14033539276
19708	0.000	0.000	0.000	2089126.893	6023229.602	8261	GWS	0.54633715799
19709	0.000	0.000	0.000	2089128.421	6023227.718	9055	GWS	1.24713150927

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19710	0.000	0.000	0.000	2089129.807	6023225.677	7903	GWS	0.23036187114
19711	0.000	0.000	0.000	2089131.394	6023223.632	8486	GWS	0.74492497794
19712	0.000	0.000	0.000	2089132.751	6023221.313	8541	GWS	0.79346866726
19713	0.000	0.000	0.000	2089134.545	6023219.766	7535	GWS	-0.09443954104
19714	0.000	0.000	0.000	2089135.855	6023218.078	5543	GWS	-1.85260370697
19715	0.000	0.000	0.000	2089137.386	6023216.634	5270	GWS	-2.09355692851
19716	0.000	0.000	0.000	2089138.627	6023215.466	5830	GWS	-1.59929390997
19717	0.000	0.000	0.000	2089138.711	6023214.875	6281	GWS	-1.20123565755
19718	0.000	0.000	0.000	2089137.519	6023214.547	6940	GWS	-0.61959399824
19719	0.000	0.000	0.000	2089136.030	6023215.400	7045	GWS	-0.52691968226
19720	0.000	0.000	0.000	2089135.231	6023217.127	7071	GWS	-0.50397175640
19721	0.000	0.000	0.000	2089133.897	6023218.811	7435	GWS	-0.18270079435
19722	0.000	0.000	0.000	2089132.435	6023219.859	8714	GWS	0.94616063548
19723	0.000	0.000	0.000	2089132.125	6023218.892	8238	GWS	0.52603706973
19724	0.000	0.000	0.000	2089132.436	6023216.432	8239	GWS	0.52691968226
19725	0.000	0.000	0.000	2089133.754	6023214.029	9949	GWS	2.03618711386
19726	0.000	0.000	0.000	2089135.781	6023212.604	9267	GWS	1.43424536628
19727	0.000	0.000	0.000	2089138.104	6023212.042	7837	GWS	0.17210944395
19728	0.000	0.000	0.000	2089140.008	6023211.995	7479	GWS	-0.14386584290
19729	0.000	0.000	0.000	2089141.411	6023210.500	7509	GWS	-0.11738746690
19730	0.000	0.000	0.000	2089142.765	6023208.254	7367	GWS	-0.24271844660
19731	0.000	0.000	0.000	2089144.352	6023206.390	7781	GWS	0.12268314210
19732	0.000	0.000	0.000	2089145.909	6023204.152	8725	GWS	0.95586937335
19733	0.000	0.000	0.000	2089147.540	6023202.170	7881	GWS	0.21094439541
19734	0.000	0.000	0.000	2089149.320	6023200.444	7730	GWS	0.07766990291
19735	0.000	0.000	0.000	2089150.673	6023198.298	7872	GWS	0.20300088261
19736	0.000	0.000	0.000	2089152.220	6023196.665	8298	GWS	0.57899382171
19737	0.000	0.000	0.000	2089153.294	6023194.713	7444	GWS	-0.17475728155
19738	0.000	0.000	0.000	2089154.727	6023192.650	6661	GWS	-0.86584289497
19739	0.000	0.000	0.000	2089156.462	6023190.928	8535	GWS	0.78817299206
19740	0.000	0.000	0.000	2089157.774	6023188.900	8523	GWS	0.77758164166
19741	0.000	0.000	0.000	2089159.461	6023186.982	9061	GWS	1.25242718447
19742	0.000	0.000	0.000	2089160.945	6023184.849	8085	GWS	0.39099735216
19743	0.000	0.000	0.000	2089162.194	6023182.747	7331	GWS	-0.27449249779
19744	0.000	0.000	0.000	2089163.868	6023180.833	7383	GWS	-0.22859664607
19745	0.000	0.000	0.000	2089165.088	6023178.640	8205	GWS	0.49691085613
19746	0.000	0.000	0.000	2089166.478	6023176.910	7361	GWS	-0.24801412180
19747	0.000	0.000	0.000	2089168.073	6023175.160	7870	GWS	0.20123565755
19748	0.000	0.000	0.000	2089169.533	6023173.139	9077	GWS	1.26654898500
19749	0.000	0.000	0.000	2089171.115	6023171.715	7909	GWS	0.23565754634
19750	0.000	0.000	0.000	2089172.569	6023170.109	5187	GWS	-2.16681376876
19751	0.000	0.000	0.000	2089173.990	6023168.668	5295	GWS	-2.07149161518
19752	0.000	0.000	0.000	2089175.645	6023167.805	5536	GWS	-1.85878199470
19753	0.000	0.000	0.000	2089175.492	6023167.333	6031	GWS	-1.42188879082
19754	0.000	0.000	0.000	2089173.946	6023167.153	6761	GWS	-0.77758164166

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19755	0.000	0.000	0.000	2089172.151	6023168.003	7360	GWS	-0.24889673433
19756	0.000	0.000	0.000	2089171.080	6023169.522	8170	GWS	0.46601941748
19757	0.000	0.000	0.000	2089169.679	6023170.973	8432	GWS	0.69726390115
19758	0.000	0.000	0.000	2089168.402	6023171.753	9668	GWS	1.78817299206
19759	0.000	0.000	0.000	2089168.274	6023170.672	8687	GWS	0.92233009709
19760	0.000	0.000	0.000	2089168.863	6023168.382	10541	GWS	2.55869373345
19761	0.000	0.000	0.000	2089169.979	6023166.078	10345	GWS	2.38570167696
19762	0.000	0.000	0.000	2089172.141	6023164.914	10146	GWS	2.21006178288
19763	0.000	0.000	0.000	2089174.261	6023164.584	10126	GWS	2.19240953222
19764	0.000	0.000	0.000	2089176.133	6023164.802	8171	GWS	0.46690203001
19765	0.000	0.000	0.000	2089176.729	6023163.787	8613	GWS	0.85701676964
19766	0.000	0.000	0.000	2089175.702	6023161.968	8393	GWS	0.66284201236
19767	0.000	0.000	0.000	2089173.548	6023160.300	7648	GWS	0.00529567520
19768	0.000	0.000	0.000	2089170.698	6023159.616	7882	GWS	0.21182700794
19769	0.000	0.000	0.000	2089167.864	6023158.822	8930	GWS	1.13680494263
19770	0.000	0.000	0.000	2089165.632	6023157.547	9342	GWS	1.50044130627
19771	0.000	0.000	0.000	2089163.217	6023156.279	8635	GWS	0.87643424537
19772	0.000	0.000	0.000	2089161.530	6023154.797	8039	GWS	0.35039717564
19773	0.000	0.000	0.000	2089160.040	6023153.307	8069	GWS	0.37687555163
19774	0.000	0.000	0.000	2089158.624	6023152.470	8407	GWS	0.67519858782
19775	0.000	0.000	0.000	2089156.823	6023152.180	8581	GWS	0.82877316858
19776	0.000	0.000	0.000	2089154.488	6023152.575	9375	GWS	1.52956751986
19777	0.000	0.000	0.000	2089152.744	6023151.986	9243	GWS	1.41306266549
19778	0.000	0.000	0.000	2089151.447	6023151.297	9271	GWS	1.43777581642
19779	0.000	0.000	0.000	2089150.976	6023151.155	9247	GWS	1.41659311562
19780	0.000	0.000	0.000	2089150.756	6023151.141	8552	GWS	0.80317740512
19781	0.000	0.000	0.000	2089150.624	6023150.604	10328	GWS	2.37069726390
19782	0.000	0.000	0.000	2089150.066	6023149.260	9782	GWS	1.88879082083
19783	0.000	0.000	0.000	2089150.448	6023147.694	9765	GWS	1.87378640777
19784	0.000	0.000	0.000	2089151.454	6023145.681	10342	GWS	2.38305383936
19785	0.000	0.000	0.000	2089153.137	6023144.317	10908	GWS	2.88261253310
19786	0.000	0.000	0.000	2089155.428	6023143.974	8997	GWS	1.19593998235
19787	0.000	0.000	0.000	2089157.791	6023144.574	9479	GWS	1.62135922330
19788	0.000	0.000	0.000	2089158.614	6023146.023	9090	GWS	1.27802294793
19789	0.000	0.000	0.000	2089159.137	6023148.299	9292	GWS	1.45631067961
19790	0.000	0.000	0.000	2089158.506	6023149.921	8653	GWS	0.89232127096
19791	0.000	0.000	0.000	2089156.912	6023150.822	8613	GWS	0.85701676964
19792	0.000	0.000	0.000	2089155.558	6023150.521	7613	GWS	-0.02559576346
19793	0.000	0.000	0.000	2089154.222	6023149.809	7153	GWS	-0.43159752869
19794	0.000	0.000	0.000	2089153.671	6023147.950	6948	GWS	-0.61253309797
19795	0.000	0.000	0.000	2089154.579	6023146.982	6987	GWS	-0.57811120918
19796	0.000	0.000	0.000	2089155.852	6023146.862	8016	GWS	0.33009708738
19797	0.000	0.000	0.000	2089156.702	6023147.393	7194	GWS	-0.39541041483
19798	0.000	0.000	0.000	2089158.655	6023148.646	7858	GWS	0.19064430715
19799	0.000	0.000	0.000	2089161.462	6023150.209	8504	GWS	0.76081200353

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19800	0.000	0.000	0.000	2089163.988	6023152.149	8366	GWS	0.63901147396
19801	0.000	0.000	0.000	2089166.301	6023153.949	7401	GWS	-0.21270962048
19802	0.000	0.000	0.000	2089168.682	6023155.678	8570	GWS	0.81906443072
19803	0.000	0.000	0.000	2089170.464	6023157.812	8352	GWS	0.62665489850
19804	0.000	0.000	0.000	2089172.414	6023159.941	8388	GWS	0.65842894969
19805	0.000	0.000	0.000	2089174.698	6023161.744	8697	GWS	0.93115622242
19806	0.000	0.000	0.000	2089176.779	6023162.944	8414	GWS	0.68137687555
19807	0.000	0.000	0.000	2089178.355	6023162.009	7263	GWS	-0.33451015004
19808	0.000	0.000	0.000	2089179.992	6023160.153	7365	GWS	-0.24448367167
19809	0.000	0.000	0.000	2089181.688	6023158.000	7451	GWS	-0.16857899382
19810	0.000	0.000	0.000	2089183.164	6023156.140	7833	GWS	0.16857899382
19811	0.000	0.000	0.000	2089184.412	6023154.869	7418	GWS	-0.19770520741
19812	0.000	0.000	0.000	2089184.036	6023153.380	6534	GWS	-0.97793468667
19813	0.000	0.000	0.000	2089183.294	6023151.090	7723	GWS	0.07149161518
19814	0.000	0.000	0.000	2089184.189	6023148.733	7481	GWS	-0.14210061783
19815	0.000	0.000	0.000	2089186.306	6023146.899	7510	GWS	-0.11650485437
19816	0.000	0.000	0.000	2089188.427	6023146.799	7637	GWS	-0.00441306267
19817	0.000	0.000	0.000	2089190.487	6023146.564	8719	GWS	0.95057369815
19818	0.000	0.000	0.000	2089191.097	6023144.614	9349	GWS	1.50661959400
19819	0.000	0.000	0.000	2089191.634	6023142.382	10767	GWS	2.75816416593
19820	0.000	0.000	0.000	2089192.680	6023140.336	10852	GWS	2.83318623124
19821	0.000	0.000	0.000	2089193.790	6023138.070	11323	GWS	3.24889673433
19822	0.000	0.000	0.000	2089195.547	6023136.468	11200	GWS	3.14033539276
19823	0.000	0.000	0.000	2089197.752	6023135.183	9400	GWS	1.55163283319
19824	0.000	0.000	0.000	2089199.726	6023133.942	9250	GWS	1.41924095322
19825	0.000	0.000	0.000	2089201.642	6023132.336	7682	GWS	0.03530450132
19826	0.000	0.000	0.000	2089202.853	6023130.145	7800	GWS	0.13945278023
19827	0.000	0.000	0.000	2089204.323	6023128.100	8790	GWS	1.01323918800
19828	0.000	0.000	0.000	2089205.896	6023126.206	8707	GWS	0.93998234775
19829	0.000	0.000	0.000	2089207.250	6023124.334	7067	GWS	-0.50750220653
19830	0.000	0.000	0.000	2089208.492	6023122.920	6326	GWS	-1.16151809356
19831	0.000	0.000	0.000	2089209.809	6023121.382	4791	GWS	-2.51632833186
19832	0.000	0.000	0.000	2089211.193	6023120.207	5800	GWS	-1.62577228597
19833	0.000	0.000	0.000	2089211.114	6023118.953	6930	GWS	-0.62842012357
19834	0.000	0.000	0.000	2089210.187	6023119.534	7102	GWS	-0.47661076787
19835	0.000	0.000	0.000	2089208.578	6023120.721	7625	GWS	-0.01500441306
19836	0.000	0.000	0.000	2089207.132	6023122.265	8133	GWS	0.43336275375
19837	0.000	0.000	0.000	2089205.793	6023123.132	7796	GWS	0.13592233010
19838	0.000	0.000	0.000	2089205.679	6023122.156	8489	GWS	0.74757281553
19839	0.000	0.000	0.000	2089205.908	6023119.709	8902	GWS	1.11209179170
19840	0.000	0.000	0.000	2089207.072	6023117.381	9725	GWS	1.83848190644
19841	0.000	0.000	0.000	2089209.281	6023116.238	8611	GWS	0.85525154457
19842	0.000	0.000	0.000	2089211.578	6023115.825	7312	GWS	-0.29126213592
19843	0.000	0.000	0.000	2089213.701	6023115.656	7498	GWS	-0.12709620477
19844	0.000	0.000	0.000	2089215.293	6023114.225	8024	GWS	0.33715798764



**Gamma Scan Survey Results**  
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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19845	0.000	0.000	0.000	2089216.822	6023112.327	8486	GWS	0.74492497794
19846	0.000	0.000	0.000	2089218.292	6023110.607	8541	GWS	0.79346866726
19847	0.000	0.000	0.000	2089219.359	6023109.400	9005	GWS	1.20300088261
19848	0.000	0.000	0.000	2089220.048	6023108.285	8401	GWS	0.66990291262
19849	0.000	0.000	0.000	2089219.852	6023106.371	7260	GWS	-0.33715798764
19850	0.000	0.000	0.000	2089220.278	6023103.927	7725	GWS	0.07325684025
19851	0.000	0.000	0.000	2089221.279	6023101.719	9011	GWS	1.20829655781
19852	0.000	0.000	0.000	2089222.283	6023099.420	8073	GWS	0.38040600177
19853	0.000	0.000	0.000	2089224.220	6023097.995	8978	GWS	1.17917034422
19854	0.000	0.000	0.000	2089226.664	6023097.368	7764	GWS	0.10767872904
19855	0.000	0.000	0.000	2089228.529	6023096.392	7761	GWS	0.10503089144
19856	0.000	0.000	0.000	2089230.332	6023094.968	8720	GWS	0.95145631068
19857	0.000	0.000	0.000	2089231.673	6023092.836	8420	GWS	0.68667255075
19858	0.000	0.000	0.000	2089233.092	6023090.983	8375	GWS	0.64695498676
19859	0.000	0.000	0.000	2089234.461	6023089.389	8693	GWS	0.92762577229
19860	0.000	0.000	0.000	2089235.371	6023087.470	8083	GWS	0.38923212710
19861	0.000	0.000	0.000	2089236.739	6023085.658	7511	GWS	-0.11562224184
19862	0.000	0.000	0.000	2089237.774	6023083.870	8957	GWS	1.16063548102
19863	0.000	0.000	0.000	2089238.794	6023082.218	8719	GWS	0.95057369815
19864	0.000	0.000	0.000	2089239.420	6023081.391	8449	GWS	0.71226831421
19865	0.000	0.000	0.000	2089239.950	6023081.057	7932	GWS	0.25595763460
19866	0.000	0.000	0.000	2089240.332	6023080.947	8403	GWS	0.67166813769
19867	0.000	0.000	0.000	2089240.201	6023080.706	8310	GWS	0.58958517211
19868	0.000	0.000	0.000	2089239.977	6023079.370	7927	GWS	0.25154457193
19869	0.000	0.000	0.000	2089241.474	6023078.267	7532	GWS	-0.09708737864
19870	0.000	0.000	0.000	2089243.314	6023076.671	7973	GWS	0.29214474846
19871	0.000	0.000	0.000	2089244.984	6023075.400	6823	GWS	-0.72285966461
19872	0.000	0.000	0.000	2089246.562	6023073.955	4988	GWS	-2.34245366284
19873	0.000	0.000	0.000	2089247.979	6023072.845	5483	GWS	-1.90556045896
19874	0.000	0.000	0.000	2089247.939	6023071.784	6391	GWS	-1.10414827891
19875	0.000	0.000	0.000	2089246.879	6023072.004	6877	GWS	-0.67519858782
19876	0.000	0.000	0.000	2089245.188	6023072.881	6879	GWS	-0.67343336275
19877	0.000	0.000	0.000	2089243.506	6023074.637	7780	GWS	0.12180052957
19878	0.000	0.000	0.000	2089242.169	6023075.729	8395	GWS	0.66460723742
19879	0.000	0.000	0.000	2089242.166	6023075.178	8758	GWS	0.98499558694
19880	0.000	0.000	0.000	2089242.468	6023073.062	8729	GWS	0.95939982348
19881	0.000	0.000	0.000	2089243.783	6023071.057	9592	GWS	1.72109443954
19882	0.000	0.000	0.000	2089245.633	6023069.629	8608	GWS	0.85260370697
19883	0.000	0.000	0.000	2089247.573	6023069.047	8482	GWS	0.74139452780
19884	0.000	0.000	0.000	2089249.423	6023068.583	6740	GWS	-0.79611650485
19885	0.000	0.000	0.000	2089250.930	6023067.027	6605	GWS	-0.91526919682
19886	0.000	0.000	0.000	2089252.747	6023065.391	6661	GWS	-0.86584289497
19887	0.000	0.000	0.000	2089254.177	6023063.335	6975	GWS	-0.58870255958
19888	0.000	0.000	0.000	2089255.374	6023061.131	7233	GWS	-0.36098852604
19889	0.000	0.000	0.000	2089256.899	6023059.276	6518	GWS	-0.99205648720

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19890	0.000	0.000	0.000	2089257.840	6023057.390	6789	GWS	-0.75286849073
19891	0.000	0.000	0.000	2089259.435	6023055.865	7097	GWS	-0.48102383054
19892	0.000	0.000	0.000	2089261.017	6023054.121	8734	GWS	0.96381288614
19893	0.000	0.000	0.000	2089262.216	6023052.139	7673	GWS	0.02736098853
19894	0.000	0.000	0.000	2089264.066	6023050.359	7258	GWS	-0.33892321271
19895	0.000	0.000	0.000	2089265.575	6023048.343	7874	GWS	0.20476610768
19896	0.000	0.000	0.000	2089267.250	6023046.609	7308	GWS	-0.29479258606
19897	0.000	0.000	0.000	2089268.777	6023044.486	7167	GWS	-0.41924095322
19898	0.000	0.000	0.000	2089269.932	6023042.099	7701	GWS	0.05207413945
19899	0.000	0.000	0.000	2089271.647	6023040.228	8075	GWS	0.38217122683
19900	0.000	0.000	0.000	2089273.022	6023038.194	7688	GWS	0.04060017652
19901	0.000	0.000	0.000	2089274.322	6023036.261	7592	GWS	-0.04413062665
19902	0.000	0.000	0.000	2089275.685	6023034.107	7868	GWS	0.19947043248
19903	0.000	0.000	0.000	2089277.138	6023032.391	8087	GWS	0.39276257723
19904	0.000	0.000	0.000	2089278.671	6023031.408	7901	GWS	0.22859664607
19905	0.000	0.000	0.000	2089279.662	6023029.828	8125	GWS	0.42630185349
19906	0.000	0.000	0.000	2089281.077	6023028.515	6921	GWS	-0.63636363636
19907	0.000	0.000	0.000	2089281.935	6023027.099	5450	GWS	-1.93468667255
19908	0.000	0.000	0.000	2089283.147	6023025.868	5360	GWS	-2.01412180053
19909	0.000	0.000	0.000	2089284.621	6023024.733	5393	GWS	-1.98499558694
19910	0.000	0.000	0.000	2089285.548	6023023.904	6762	GWS	-0.77669902913
19911	0.000	0.000	0.000	2089284.917	6023022.849	6700	GWS	-0.83142100618
19912	0.000	0.000	0.000	2089283.733	6023023.379	8035	GWS	0.34686672551
19913	0.000	0.000	0.000	2089281.997	6023024.448	8008	GWS	0.32303618711
19914	0.000	0.000	0.000	2089281.196	6023026.057	8392	GWS	0.66195939982
19915	0.000	0.000	0.000	2089279.864	6023027.949	7678	GWS	0.03177405119
19916	0.000	0.000	0.000	2089279.081	6023028.882	7439	GWS	-0.17917034422
19917	0.000	0.000	0.000	2089278.851	6023028.077	8220	GWS	0.51015004413
19918	0.000	0.000	0.000	2089278.848	6023026.297	8895	GWS	1.10591350397
19919	0.000	0.000	0.000	2089279.394	6023023.668	9003	GWS	1.20123565755
19920	0.000	0.000	0.000	2089280.965	6023021.991	8670	GWS	0.90732568403
19921	0.000	0.000	0.000	2089283.205	6023021.141	10417	GWS	2.44924977935
19922	0.000	0.000	0.000	2089285.268	6023020.881	8634	GWS	0.87555163283
19923	0.000	0.000	0.000	2089287.222	6023020.641	7918	GWS	0.24360105914
19924	0.000	0.000	0.000	2089287.990	6023020.290	8609	GWS	0.85348631951
19925	0.000	0.000	0.000	2089287.803	6023019.347	8152	GWS	0.45013239188
19926	0.000	0.000	0.000	2089285.938	6023018.563	8068	GWS	0.37599293910
19927	0.000	0.000	0.000	2089283.504	6023017.610	7897	GWS	0.22506619594
19928	0.000	0.000	0.000	2089280.962	6023016.505	8994	GWS	1.19329214475
19929	0.000	0.000	0.000	2089278.098	6023015.521	8578	GWS	0.82612533098
19930	0.000	0.000	0.000	2089275.756	6023013.930	9734	GWS	1.84642541924
19931	0.000	0.000	0.000	2089273.512	6023012.440	7833	GWS	0.16857899382
19932	0.000	0.000	0.000	2089271.153	6023011.385	8288	GWS	0.57016769638
19933	0.000	0.000	0.000	2089269.349	6023009.652	8702	GWS	0.93556928508
19934	0.000	0.000	0.000	2089267.433	6023008.866	9165	GWS	1.34421888791

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19935	0.000	0.000	0.000	2089265.347	6023008.652	8951	GWS	1.15533980583
19936	0.000	0.000	0.000	2089263.429	6023007.874	10098	GWS	2.16769638129
19937	0.000	0.000	0.000	2089261.407	6023006.738	9874	GWS	1.96999117387
19938	0.000	0.000	0.000	2089260.735	6023004.926	9278	GWS	1.44395410415
19939	0.000	0.000	0.000	2089261.232	6023002.638	9339	GWS	1.49779346867
19940	0.000	0.000	0.000	2089262.614	6023000.862	10165	GWS	2.22683142101
19941	0.000	0.000	0.000	2089264.595	6023000.293	9321	GWS	1.48190644307
19942	0.000	0.000	0.000	2089266.944	6023000.531	10220	GWS	2.27537511033
19943	0.000	0.000	0.000	2089268.323	6023001.855	8855	GWS	1.07060900265
19944	0.000	0.000	0.000	2089269.013	6023003.818	9083	GWS	1.27184466019
19945	0.000	0.000	0.000	2089268.598	6023005.810	8631	GWS	0.87290379523
19946	0.000	0.000	0.000	2089267.129	6023007.332	9267	GWS	1.43424536628
19947	0.000	0.000	0.000	2089265.040	6023008.535	9217	GWS	1.39011473963
19948	0.000	0.000	0.000	2089263.868	6023007.556	8094	GWS	0.39894086496
19949	0.000	0.000	0.000	2089263.037	6023006.115	8233	GWS	0.52162400706
19950	0.000	0.000	0.000	2089262.882	6023004.627	7938	GWS	0.26125330980
19951	0.000	0.000	0.000	2089263.577	6023003.229	8764	GWS	0.99029126214
19952	0.000	0.000	0.000	2089264.800	6023002.719	9541	GWS	1.67608120035
19953	0.000	0.000	0.000	2089266.111	6023003.255	9135	GWS	1.31774051192
19954	0.000	0.000	0.000	2089266.740	6023004.718	8673	GWS	0.90997352162
19955	0.000	0.000	0.000	2089266.166	6023005.517	8768	GWS	0.99382171227
19956	0.000	0.000	0.000	2089264.698	6023004.912	8282	GWS	0.56487202118
19957	0.000	0.000	0.000	2089264.207	6023004.324	9150	GWS	1.33097969991
19958	0.000	0.000	0.000	2089263.648	6023004.748	8287	GWS	0.56928508385
19959	0.000	0.000	0.000	2089264.151	6023005.320	7862	GWS	0.19417475728
19960	0.000	0.000	0.000	2089265.740	6023004.795	8865	GWS	1.07943512798
19961	0.000	0.000	0.000	2089268.672	6023004.970	8726	GWS	0.95675198588
19962	0.000	0.000	0.000	2089272.076	6023006.248	8511	GWS	0.76699029126
19963	0.000	0.000	0.000	2089275.286	6023007.816	7798	GWS	0.13768755516
19964	0.000	0.000	0.000	2089277.922	6023009.554	8099	GWS	0.40335392763
19965	0.000	0.000	0.000	2089280.105	6023011.834	9645	GWS	1.76787290380
19966	0.000	0.000	0.000	2089282.506	6023013.977	9131	GWS	1.31421006178
19967	0.000	0.000	0.000	2089284.894	6023015.468	9032	GWS	1.22683142101
19968	0.000	0.000	0.000	2089287.094	6023016.931	8378	GWS	0.64960282436
19969	0.000	0.000	0.000	2089289.146	6023016.974	8784	GWS	1.00794351280
19970	0.000	0.000	0.000	2089291.183	6023015.849	8076	GWS	0.38305383937
19971	0.000	0.000	0.000	2089292.717	6023014.006	7329	GWS	-0.27625772286
19972	0.000	0.000	0.000	2089293.825	6023011.576	7742	GWS	0.08826125331
19973	0.000	0.000	0.000	2089295.535	6023009.797	8295	GWS	0.57634598411
19974	0.000	0.000	0.000	2089297.092	6023007.817	7683	GWS	0.03618711386
19975	0.000	0.000	0.000	2089298.596	6023005.713	8701	GWS	0.93468667255
19976	0.000	0.000	0.000	2089300.157	6023003.698	8385	GWS	0.65578111209
19977	0.000	0.000	0.000	2089301.456	6023001.506	8126	GWS	0.42718446602
19978	0.000	0.000	0.000	2089303.158	6022999.775	8811	GWS	1.03177405119
19979	0.000	0.000	0.000	2089304.647	6022997.630	8383	GWS	0.65401588703

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
19980	0.000	0.000	0.000	2089305.930	6022995.498	8875	GWS	1.08826125331
19981	0.000	0.000	0.000	2089307.630	6022993.765	8249	GWS	0.53574580759
19982	0.000	0.000	0.000	2089309.202	6022991.861	9112	GWS	1.29744042365
19983	0.000	0.000	0.000	2089310.910	6022990.050	8248	GWS	0.53486319506
19984	0.000	0.000	0.000	2089312.450	6022987.890	9352	GWS	1.50926743160
19985	0.000	0.000	0.000	2089313.821	6022985.767	8458	GWS	0.72021182701
19986	0.000	0.000	0.000	2089315.538	6022983.876	8714	GWS	0.94616063548
19987	0.000	0.000	0.000	2089316.925	6022981.674	8178	GWS	0.47308031774
19988	0.000	0.000	0.000	2089318.406	6022979.714	8464	GWS	0.72550750221
19989	0.000	0.000	0.000	2089319.654	6022977.849	8356	GWS	0.63018534863
19990	0.000	0.000	0.000	2089321.245	6022976.144	8089	GWS	0.39452780230
19991	0.000	0.000	0.000	2089323.393	6022974.650	8652	GWS	0.89143865843
19992	0.000	0.000	0.000	2089324.100	6022973.111	8043	GWS	0.35392762577
19993	0.000	0.000	0.000	2089323.477	6022971.683	7590	GWS	-0.04589585172
19994	0.000	0.000	0.000	2089322.216	6022970.669	9607	GWS	1.73433362754
19995	0.000	0.000	0.000	2089320.991	6022968.881	7832	GWS	0.16769638129
19996	0.000	0.000	0.000	2089319.161	6022967.592	8648	GWS	0.88790820830
19997	0.000	0.000	0.000	2089317.018	6022966.286	9032	GWS	1.22683142101
19998	0.000	0.000	0.000	2089315.105	6022964.937	8528	GWS	0.78199470433
19999	0.000	0.000	0.000	2089313.075	6022963.914	8822	GWS	1.04148278906
20000	0.000	0.000	0.000	2089311.196	6022962.287	8775	GWS	1.00000000000
20001	0.000	0.000	0.000	2089309.272	6022961.078	8283	GWS	0.56575463372
20002	0.000	0.000	0.000	2089307.399	6022959.789	8731	GWS	0.96116504854
20003	0.000	0.000	0.000	2089305.463	6022958.470	9382	GWS	1.53574580759
20004	0.000	0.000	0.000	2089303.810	6022956.957	7415	GWS	-0.20035304501
20005	0.000	0.000	0.000	2089302.490	6022955.301	9564	GWS	1.69638128861
20006	0.000	0.000	0.000	2089300.942	6022953.729	8571	GWS	0.81994704325
20007	0.000	0.000	0.000	2089299.259	6022952.184	7645	GWS	0.00264783760
20008	0.000	0.000	0.000	2089297.348	6022950.827	7701	GWS	0.05207413945
20009	0.000	0.000	0.000	2089295.564	6022949.118	8057	GWS	0.36628420124
20010	0.000	0.000	0.000	2089293.506	6022947.921	8644	GWS	0.88437775816
20011	0.000	0.000	0.000	2089291.364	6022946.567	8161	GWS	0.45807590468
20012	0.000	0.000	0.000	2089289.304	6022944.906	8220	GWS	0.51015004413
20013	0.000	0.000	0.000	2089286.827	6022943.477	8655	GWS	0.89408649603
20014	0.000	0.000	0.000	2089284.808	6022941.644	8013	GWS	0.32744924978
20015	0.000	0.000	0.000	2089283.022	6022940.231	6893	GWS	-0.66107678729
20016	0.000	0.000	0.000	2089281.441	6022939.034	7603	GWS	-0.03442188879
20017	0.000	0.000	0.000	2089280.571	6022939.389	8231	GWS	0.51985878200
20018	0.000	0.000	0.000	2089281.332	6022940.394	9107	GWS	1.29302736099
20019	0.000	0.000	0.000	2089283.040	6022941.855	8336	GWS	0.61253309797
20020	0.000	0.000	0.000	2089285.256	6022943.424	8204	GWS	0.49602824360
20021	0.000	0.000	0.000	2089287.261	6022945.148	8561	GWS	0.81112091792
20022	0.000	0.000	0.000	2089289.077	6022947.017	8800	GWS	1.02206531333
20023	0.000	0.000	0.000	2089291.381	6022948.524	8650	GWS	0.88967343336
20024	0.000	0.000	0.000	2089293.429	6022949.977	8252	GWS	0.53839364519

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
20025	0.000	0.000	0.000	2089295.564	6022951.302	9263	GWS	1.43071491615
20026	0.000	0.000	0.000	2089297.438	6022953.031	7835	GWS	0.17034421889
20027	0.000	0.000	0.000	2089299.122	6022955.050	7989	GWS	0.30626654899
20028	0.000	0.000	0.000	2089301.201	6022956.526	8477	GWS	0.73698146514
20029	0.000	0.000	0.000	2089303.313	6022958.217	8839	GWS	1.05648720212
20030	0.000	0.000	0.000	2089305.446	6022959.721	9169	GWS	1.34774933804
20031	0.000	0.000	0.000	2089307.859	6022961.245	9372	GWS	1.52691968226
20032	0.000	0.000	0.000	2089309.767	6022963.001	8283	GWS	0.56575463372
20033	0.000	0.000	0.000	2089311.902	6022964.656	9000	GWS	1.19858781995
20034	0.000	0.000	0.000	2089313.622	6022966.653	8580	GWS	0.82789055605
20035	0.000	0.000	0.000	2089315.657	6022968.258	8955	GWS	1.15887025596
20036	0.000	0.000	0.000	2089317.149	6022969.984	8418	GWS	0.68490732568
20037	0.000	0.000	0.000	2089318.199	6022971.528	8104	GWS	0.40776699029
20038	0.000	0.000	0.000	2089318.712	6022972.729	8206	GWS	0.49779346867
20039	0.000	0.000	0.000	2089320.026	6022973.562	8381	GWS	0.65225066196
20040	0.000	0.000	0.000	2089321.512	6022975.022	7645	GWS	0.00264783760
20041	0.000	0.000	0.000	2089320.845	6022976.705	7881	GWS	0.21094439541
20042	0.000	0.000	0.000	2089318.493	6022977.476	7790	GWS	0.13062665490
20043	0.000	0.000	0.000	2089315.787	6022976.414	9597	GWS	1.72550750221
20044	0.000	0.000	0.000	2089313.744	6022974.361	9509	GWS	1.64783759929
20045	0.000	0.000	0.000	2089311.974	6022972.462	9367	GWS	1.52250661959
20046	0.000	0.000	0.000	2089310.586	6022970.246	9003	GWS	1.20123565755
20047	0.000	0.000	0.000	2089309.019	6022967.860	8910	GWS	1.11915269197
20048	0.000	0.000	0.000	2089307.112	6022965.857	8647	GWS	0.88702559576
20049	0.000	0.000	0.000	2089305.592	6022963.622	9032	GWS	1.22683142101
20050	0.000	0.000	0.000	2089303.900	6022961.728	9188	GWS	1.36451897617
20051	0.000	0.000	0.000	2089301.798	6022959.716	9017	GWS	1.21359223301
20052	0.000	0.000	0.000	2089299.804	6022957.235	7834	GWS	0.16946160636
20053	0.000	0.000	0.000	2089298.009	6022954.996	7898	GWS	0.22594880847
20054	0.000	0.000	0.000	2089296.492	6022952.690	8304	GWS	0.58428949691
20055	0.000	0.000	0.000	2089294.619	6022950.385	9006	GWS	1.20388349515
20056	0.000	0.000	0.000	2089292.335	6022949.538	8761	GWS	0.98764342454
20057	0.000	0.000	0.000	2089290.088	6022948.555	9690	GWS	1.80759046778
20058	0.000	0.000	0.000	2089285.225	6022944.329	8778	GWS	1.00264783760
20059	0.000	0.000	0.000	2089285.452	6022944.777	8854	GWS	1.06972639011
20060	0.000	0.000	0.000	2089286.224	6022945.948	7643	GWS	0.00088261253
20061	0.000	0.000	0.000	2089286.442	6022945.689	8511	GWS	0.76699029126
20062	0.000	0.000	0.000	2089285.027	6022944.389	9267	GWS	1.43424536628
20063	0.000	0.000	0.000	2089283.355	6022942.810	9637	GWS	1.76081200353
20064	0.000	0.000	0.000	2089281.889	6022941.283	8169	GWS	0.46513680494
20065	0.000	0.000	0.000	2089280.320	6022940.645	8192	GWS	0.48543689320
20066	0.000	0.000	0.000	2088641.015	6023776.001	8165	GWS	0.02390057361
20067	0.000	0.000	0.000	2088641.285	6023776.286	8281	GWS	0.13479923518
20068	0.000	0.000	0.000	2088641.947	6023777.639	8700	GWS	0.53537284895
20069	0.000	0.000	0.000	2088643.158	6023779.064	8415	GWS	0.26290630975

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SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
20070	0.000	0.000	0.000	2088645.057	6023780.343	8703	GWS	0.53824091778
20071	0.000	0.000	0.000	2088646.349	6023781.429	8506	GWS	0.34990439771
20072	0.000	0.000	0.000	2088647.741	6023782.391	8696	GWS	0.53154875717
20073	0.000	0.000	0.000	2088649.451	6023783.964	10334	GWS	2.09751434034
20074	0.000	0.000	0.000	2088651.317	6023785.518	9903	GWS	1.68546845124
20075	0.000	0.000	0.000	2088652.607	6023786.638	9945	GWS	1.72562141491
20076	0.000	0.000	0.000	2088653.826	6023787.907	9266	GWS	1.07648183556
20077	0.000	0.000	0.000	2088655.379	6023789.128	10776	GWS	2.52007648184
20078	0.000	0.000	0.000	2088657.301	6023790.620	10074	GWS	1.84894837476
20079	0.000	0.000	0.000	2088659.234	6023792.220	10078	GWS	1.85277246654
20080	0.000	0.000	0.000	2088660.561	6023793.853	9659	GWS	1.45219885277
20081	0.000	0.000	0.000	2088662.436	6023794.899	8895	GWS	0.72179732314
20082	0.000	0.000	0.000	2088664.241	6023796.149	9153	GWS	0.96845124283
20083	0.000	0.000	0.000	2088666.485	6023797.509	9878	GWS	1.66156787763
20084	0.000	0.000	0.000	2088667.203	6023798.466	9039	GWS	0.85946462715
20085	0.000	0.000	0.000	2088668.396	6023798.801	8740	GWS	0.57361376673
20086	0.000	0.000	0.000	2088669.352	6023800.036	9265	GWS	1.07552581262
20087	0.000	0.000	0.000	2088670.921	6023801.329	8436	GWS	0.28298279159
20088	0.000	0.000	0.000	2088672.159	6023802.937	8529	GWS	0.37189292543
20089	0.000	0.000	0.000	2088673.823	6023804.442	8582	GWS	0.42256214149
20090	0.000	0.000	0.000	2088675.441	6023806.011	8115	GWS	-0.02390057361
20091	0.000	0.000	0.000	2088677.155	6023807.491	9198	GWS	1.01147227533
20092	0.000	0.000	0.000	2088679.166	6023808.230	7999	GWS	-0.13479923518
20093	0.000	0.000	0.000	2088680.836	6023807.987	7670	GWS	-0.44933078394
20094	0.000	0.000	0.000	2088682.241	6023806.744	7557	GWS	-0.55736137667
20095	0.000	0.000	0.000	2088683.413	6023805.335	8729	GWS	0.56309751434
20096	0.000	0.000	0.000	2088684.383	6023803.681	7492	GWS	-0.61950286807
20097	0.000	0.000	0.000	2088685.909	6023802.014	7513	GWS	-0.59942638623
20098	0.000	0.000	0.000	2088687.199	6023800.132	7128	GWS	-0.96749521989
20099	0.000	0.000	0.000	2088688.249	6023798.251	6042	GWS	-2.00573613767
20100	0.000	0.000	0.000	2088688.441	6023796.185	6098	GWS	-1.95219885277
20101	0.000	0.000	0.000	2088688.255	6023794.017	6744	GWS	-1.33460803059
20102	0.000	0.000	0.000	2088686.943	6023792.536	7596	GWS	-0.52007648184
20103	0.000	0.000	0.000	2088685.304	6023791.189	8499	GWS	0.34321223709
20104	0.000	0.000	0.000	2088683.429	6023790.034	7614	GWS	-0.50286806883
20105	0.000	0.000	0.000	2088681.539	6023788.861	7753	GWS	-0.36998087954
20106	0.000	0.000	0.000	2088679.585	6023787.620	8358	GWS	0.20841300191
20107	0.000	0.000	0.000	2088677.657	6023786.205	8209	GWS	0.06596558317
20108	0.000	0.000	0.000	2088675.805	6023784.661	9204	GWS	1.01720841300
20109	0.000	0.000	0.000	2088674.151	6023783.073	8410	GWS	0.25812619503
20110	0.000	0.000	0.000	2088672.649	6023781.278	7862	GWS	-0.26577437859
20111	0.000	0.000	0.000	2088670.578	6023779.752	7905	GWS	-0.22466539197
20112	0.000	0.000	0.000	2088668.758	6023778.288	7376	GWS	-0.73040152964
20113	0.000	0.000	0.000	2088666.693	6023776.718	8024	GWS	-0.11089866157
20114	0.000	0.000	0.000	2088664.587	6023775.122	7616	GWS	-0.50095602295

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20115	0.000	0.000	0.000	2088662.443	6023773.420	6584	GWS	-1.48757170172
20116	0.000	0.000	0.000	2088660.310	6023771.888	7676	GWS	-0.44359464627
20117	0.000	0.000	0.000	2088658.486	6023770.385	8129	GWS	-0.01051625239
20118	0.000	0.000	0.000	2088656.321	6023768.987	8092	GWS	-0.04588910134
20119	0.000	0.000	0.000	2088654.330	6023767.399	8833	GWS	0.66252390057
20120	0.000	0.000	0.000	2088652.489	6023765.506	7608	GWS	-0.50860420650
20121	0.000	0.000	0.000	2088650.759	6023764.379	7722	GWS	-0.39961759082
20122	0.000	0.000	0.000	2088648.686	6023765.087	8410	GWS	0.25812619503
20123	0.000	0.000	0.000	2088647.273	6023767.041	7592	GWS	-0.52390057361
20124	0.000	0.000	0.000	2088645.818	6023768.921	8918	GWS	0.74378585086
20125	0.000	0.000	0.000	2088644.422	6023770.985	8679	GWS	0.51529636711
20126	0.000	0.000	0.000	2088642.827	6023772.858	8440	GWS	0.28680688337
20127	0.000	0.000	0.000	2088641.705	6023775.082	5350	GWS	-2.66730401530
20128	0.000	0.000	0.000	2088640.478	6023776.953	5542	GWS	-2.48374760994
20129	0.000	0.000	0.000	2088639.366	6023778.411	8644	GWS	0.88437775816
20130	0.000	0.000	0.000	2089069.677	6023216.769	7916	GWS	-0.21414913958
20131	0.000	0.000	0.000	2089069.938	6023217.782	9329	GWS	1.13671128107
20132	0.000	0.000	0.000	2089071.128	6023219.227	9982	GWS	1.76099426386
20133	0.000	0.000	0.000	2089072.702	6023220.930	8525	GWS	0.36806883365
20134	0.000	0.000	0.000	2089074.975	6023222.422	8461	GWS	0.30688336520
20135	0.000	0.000	0.000	2089076.478	6023224.629	8595	GWS	0.43499043977
20136	0.000	0.000	0.000	2089078.140	6023226.784	7518	GWS	-0.59464627151
20137	0.000	0.000	0.000	2089080.073	6023228.633	8959	GWS	0.78298279159
20138	0.000	0.000	0.000	2089081.910	6023230.660	9020	GWS	0.84130019121
20139	0.000	0.000	0.000	2089084.315	6023232.317	8830	GWS	0.65965583174
20140	0.000	0.000	0.000	2089087.043	6023233.642	8168	GWS	0.02676864245
20141	0.000	0.000	0.000	2089089.292	6023235.245	8402	GWS	0.25047801147
20142	0.000	0.000	0.000	2089091.927	6023236.539	9840	GWS	1.62523900574
20143	0.000	0.000	0.000	2089094.332	6023237.976	9810	GWS	1.59655831740
20144	0.000	0.000	0.000	2089096.958	6023239.789	8992	GWS	0.81453154876
20145	0.000	0.000	0.000	2089099.346	6023241.328	7708	GWS	-0.41300191205
20146	0.000	0.000	0.000	2089101.088	6023243.343	8167	GWS	0.02581261950
20147	0.000	0.000	0.000	2089103.127	6023245.504	7621	GWS	-0.49617590822
20148	0.000	0.000	0.000	2089105.203	6023247.269	7425	GWS	-0.68355640535
20149	0.000	0.000	0.000	2089107.205	6023249.067	8246	GWS	0.10133843212
20150	0.000	0.000	0.000	2089109.158	6023249.029	7941	GWS	-0.19024856597
20151	0.000	0.000	0.000	2089111.274	6023248.103	8255	GWS	0.10994263862
20152	0.000	0.000	0.000	2089113.089	6023245.984	8183	GWS	0.04110898662
20153	0.000	0.000	0.000	2089114.429	6023243.710	8856	GWS	0.68451242830
20154	0.000	0.000	0.000	2089116.222	6023241.819	9468	GWS	1.26959847036
20155	0.000	0.000	0.000	2089117.931	6023239.618	5713	GWS	-2.32026768642
20156	0.000	0.000	0.000	2089118.595	6023237.785	5876	GWS	-2.16443594646
20157	0.000	0.000	0.000	2089118.524	6023235.647	8338	GWS	0.18929254302
20158	0.000	0.000	0.000	2089116.728	6023234.053	7604	GWS	-0.51242829828
20159	0.000	0.000	0.000	2089114.175	6023232.477	7511	GWS	-0.60133843212

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20160	0.000	0.000	0.000	2089111.804	6023231.531	7937	GWS	-0.19407265774
20161	0.000	0.000	0.000	2089109.302	6023230.813	7684	GWS	-0.43594646272
20162	0.000	0.000	0.000	2089107.467	6023229.080	8641	GWS	0.47896749522
20163	0.000	0.000	0.000	2089105.260	6023227.524	6870	GWS	-1.21414913958
20164	0.000	0.000	0.000	2089102.992	6023225.738	8587	GWS	0.42734225621
20165	0.000	0.000	0.000	2089101.233	6023223.964	9077	GWS	0.89579349904
20166	0.000	0.000	0.000	2089098.903	6023222.201	9019	GWS	0.84034416826
20167	0.000	0.000	0.000	2089097.108	6023220.147	8374	GWS	0.22370936903
20168	0.000	0.000	0.000	2089094.962	6023218.036	8393	GWS	0.24187380497
20169	0.000	0.000	0.000	2089092.824	6023216.151	7798	GWS	-0.32695984704
20170	0.000	0.000	0.000	2089090.870	6023214.270	7829	GWS	-0.29732313576
20171	0.000	0.000	0.000	2089088.484	6023212.582	7867	GWS	-0.26099426386
20172	0.000	0.000	0.000	2089086.494	6023210.723	8716	GWS	0.55066921606
20173	0.000	0.000	0.000	2089084.532	6023209.134	8749	GWS	0.58221797323
20174	0.000	0.000	0.000	2089082.627	6023207.335	7707	GWS	-0.41395793499
20175	0.000	0.000	0.000	2089082.191	6023204.891	7267	GWS	-0.83460803059
20176	0.000	0.000	0.000	2089082.236	6023203.481	7516	GWS	-0.59655831740
20177	0.000	0.000	0.000	2089081.124	6023203.058	7579	GWS	-0.53632887189
20178	0.000	0.000	0.000	2089080.495	6023202.982	6424	GWS	-1.64053537285
20179	0.000	0.000	0.000	2089079.660	6023203.307	8446	GWS	0.29254302103
20180	0.000	0.000	0.000	2089078.900	6023204.324	8171	GWS	0.02963671128
20181	0.000	0.000	0.000	2089077.599	6023205.317	8133	GWS	-0.00669216061
20182	0.000	0.000	0.000	2089076.363	6023206.974	8243	GWS	0.09847036329
20183	0.000	0.000	0.000	2089075.034	6023208.231	8030	GWS	-0.10516252390
20184	0.000	0.000	0.000	2089074.088	6023210.060	7407	GWS	-0.70076481836
20185	0.000	0.000	0.000	2089072.678	6023211.607	7072	GWS	-1.02103250478
20186	0.000	0.000	0.000	2089071.232	6023213.232	6298	GWS	-1.76099426386
20187	0.000	0.000	0.000	2089069.888	6023215.438	7004	GWS	-1.08604206501
20188	0.000	0.000	0.000	2089068.578	6023216.480	5951	GWS	-2.09273422562
20189	0.000	0.000	0.000	2089068.455	6023216.863	5657	GWS	-2.37380497132
20190	0.000	0.000	0.000	2089067.914	6023217.473	5807	GWS	-2.23040152964
20191	0.000	0.000	0.000	2089067.423	6023218.773	7637	GWS	-0.48087954111
20192	0.000	0.000	0.000	2089066.266	6023219.651	8209	GWS	0.50044130627
20193	0.000	0.000	0.000	2089065.779	6023219.617	8532	GWS	0.78552515446



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
0	636773.9	1835850	7307	GWS	1.68797
1	636773.5	1835850	7616	GWS	1.920301
2	636773.2	1835850	7514	GWS	1.843609
3	636772.9	1835851	6648	GWS	1.192481
4	636772.5	1835851	5643	GWS	0.436842
5	636771.8	1835851	6691	GWS	1.224812
6	636771.7	1835851	6922	GWS	1.398496
7	636771.5	1835851	7460	GWS	1.803008
8	636737.2	1835895	6572	GWS	1.135338
9	636737.8	1835895	8303	GWS	2.436842
10	636738	1835896	8051	GWS	2.247368
11	636738.1	1835896	8671	GWS	2.713534
12	636737.6	1835897	7087	GWS	1.522556
13	636578.8	1836108	6742	GWS	1.263158
14	636579	1836109	8165	GWS	2.333083
15	636579.2	1836109	7441	GWS	1.788722
16	636579	1836109	7020	GWS	1.47218
17	636578.9	1836108	7185	GWS	1.596241
18	636579	1836108	7406	GWS	1.762406
19	636579.9	1836108	7672	GWS	1.962406
20	636580	1836108	7408	GWS	1.76391
21	636580	1836108	7162	GWS	1.578947
22	636580	1836108	7070	GWS	1.509774
23	636580	1836108	6657	GWS	1.199248
24	636579.8	1836108	7094	GWS	1.52782
25	636567.4	1836144	6911	GWS	1.390226
26	636567.7	1836144	6018	GWS	0.718797
27	636567.8	1836144	5912	GWS	0.639098
28	636567.6	1836143	5952	GWS	0.669173
29	636592.1	1836112	6184	GWS	0.843609
30	636592.4	1836111	5672	GWS	0.458647
31	636592.8	1836111	4588	GWS	-0.35639
32	636593.3	1836111	5146	GWS	0.063158
33	636593.3	1836111	5767	GWS	0.530075
34	636592.9	1836111	6506	GWS	1.085714
35	636592.6	1836111	6846	GWS	1.341353
36	636592.2	1836111	8221	GWS	2.375188
37	636616.1	1836080	7473	GWS	1.812782
38	636615.8	1836079	7522	GWS	1.849624
39	636616	1836079	7130	GWS	1.554887
40	636616.4	1836079	6792	GWS	1.300752
41	636616.9	1836078	7248	GWS	1.643609
42	636617.4	1836078	7542	GWS	1.864662
43	636617.8	1836079	6445	GWS	1.03985
44	636728.8	1835933	6354	GWS	0.971429

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
45	636729	1835933	7288	GWS	1.673684
46	636729.2	1835932	7072	GWS	1.511278
47	636729.6	1835932	8038	GWS	2.237594
48	636729.8	1835932	8699	GWS	2.734586
49	636730.3	1835931	7335	GWS	1.709023
50	636730.8	1835931	7383	GWS	1.745113
51	636731.2	1835931	7905	GWS	2.137594
52	636795.5	1835846	7260	GWS	1.652632
53	636795.6	1835846	7725	GWS	2.002256
54	636796.2	1835844	8073	GWS	2.26391
55	636796.8	1835844	8978	GWS	2.944361
56	636797.6	1835844	7764	GWS	2.031579
57	636798.1	1835843	7761	GWS	2.029323
58	636813.6	1835810	7894	GWS	2.129323
59	636813.6	1835810	7793	GWS	2.053383
60	636813.6	1835811	7168	GWS	1.583459
61	636813.9	1835811	7972	GWS	2.18797
62	636814	1835811	7183	GWS	1.594737
63	636814	1835811	7195	GWS	1.603759
64	636813.9	1835810	7349	GWS	1.719549
65	636813.9	1835811	7387	GWS	1.74812
66	636814	1835811	6646	GWS	1.190977
67	636814	1835811	5552	GWS	0.368421
68	636813.9	1835811	5223	GWS	0.121053
69	636813.4	1835812	5398	GWS	0.252632
70	636813.1	1835811	5451	GWS	0.292481
71	636813.1	1835811	5376	GWS	0.23609
72	636813.4	1835811	4812	GWS	-0.18797
73	636813.8	1835811	5062	GWS	0
74	636814	1835811	5082	GWS	0.015038
75	636814.1	1835811	5221	GWS	0.119549
76	636797.9	1835843	7437	GWS	1.785714
77	636797.9	1835844	8249	GWS	2.396241
78	636798.1	1835844	7132	GWS	1.556391
79	636797.7	1835844	6703	GWS	1.233835
80	636797.2	1835844	6715	GWS	1.242857
81	636797	1835845	6299	GWS	0.930075
82	636797.1	1835845	7004	GWS	1.46015
83	636797	1835845	7451	GWS	1.796241
84	636797	1835845	6722	GWS	1.24812
85	636796.7	1835845	6900	GWS	1.381955
86	636796.4	1835845	6825	GWS	1.325564
87	636796.2	1835846	6326	GWS	0.950376
88	636796.3	1835846	6741	GWS	1.262406
89	636796.4	1835846	6995	GWS	1.453383

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
90	636796.4	1835846	7268	GWS	1.658647
91	636796.6	1835846	6587	GWS	1.146617
92	636796.9	1835845	6536	GWS	1.108271
93	636797.1	1835845	7244	GWS	1.640602
94	636787	1835846	7046	GWS	1.491729
95	636786.9	1835846	5751	GWS	0.518045
96	636786.7	1835846	5275	GWS	0.16015
97	636786.6	1835846	5719	GWS	0.493985
98	636786.7	1835846	5295	GWS	0.175188
99	636786.8	1835846	5280	GWS	0.16391
100	636786.9	1835847	5265	GWS	0.152632
101	636786.9	1835847	5054	GWS	-0.00602
102	636787	1835847	5063	GWS	0.000752
103	636787	1835847	4948	GWS	-0.08571
104	636786.8	1835846	5498	GWS	0.32782
105	636786.9	1835846	5695	GWS	0.47594
106	636780.6	1835849	7446	GWS	1.792481
107	636780.4	1835850	7201	GWS	1.608271
108	636780.2	1835850	6600	GWS	1.156391
109	636779.8	1835851	7530	GWS	1.855639
110	636779.4	1835851	7132	GWS	1.556391
111	636778.8	1835851	6943	GWS	1.414286
112	636778.4	1835850	5696	GWS	0.476692
113	636778.2	1835850	5731	GWS	0.503008
114	636778.4	1835849	5849	GWS	0.591729
115	636778.7	1835849	5547	GWS	0.364662
116	636778.9	1835848	5715	GWS	0.490977
117	636779.4	1835848	5832	GWS	0.578947
118	636779.8	1835848	6672	GWS	1.210526
119	636779.9	1835848	6558	GWS	1.124812
120	636779.8	1835848	7609	GWS	1.915038
121	636780	1835848	7482	GWS	1.819549
122	636780	1835848	7330	GWS	1.705263
123	636780	1835848	6722	GWS	1.24812
124	636780.1	1835848	6960	GWS	1.427068
125	636780	1835848	6390	GWS	0.998496
126	636780	1835848	6967	GWS	1.432331
127	636779.9	1835848	7442	GWS	1.789474
128	636779.9	1835848	8040	GWS	2.239098
129	636779.9	1835848	7980	GWS	2.193985
130	636780	1835849	7995	GWS	2.205263
131	636780	1835849	7398	GWS	1.756391
132	636780	1835849	6829	GWS	1.328571
133	636780	1835849	6747	GWS	1.266917
134	636780	1835849	7237	GWS	1.635338

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
135	636780	1835848	7809	GWS	2.065414
136	636780	1835848	8162	GWS	2.330827
137	636780	1835848	8730	GWS	2.757895
138	636780	1835848	7522	GWS	1.849624
139	636780.5	1835849	8447	GWS	2.545113
140	636780.8	1835850	8591	GWS	2.653383
141	636781.1	1835850	7938	GWS	2.162406
142	636781.4	1835850	7204	GWS	1.610526
143	636781.4	1835851	6901	GWS	1.382707
144	636781	1835851	6315	GWS	0.942105
145	636780.5	1835851	6798	GWS	1.305263
146	636780.2	1835851	6259	GWS	0.9
147	636780.2	1835850	6095	GWS	0.776692
148	636780.6	1835850	6233	GWS	0.880451
149	636781.1	1835850	6538	GWS	1.109774
150	636781.4	1835850	6014	GWS	0.715789
151	636782.2	1835852	6776	GWS	1.288722
152	636782.2	1835852	5661	GWS	0.450376
153	636782.3	1835852	5224	GWS	0.121805
154	636782.4	1835852	5068	GWS	0.004511
155	636782.5	1835852	4988	GWS	-0.05564
156	636782.5	1835852	5258	GWS	0.147368
157	636782.5	1835852	5118	GWS	0.042105
158	636782.5	1835852	5691	GWS	0.472932
159	636782.8	1835852	6470	GWS	1.058647
160	636783.2	1835852	7497	GWS	1.830827
161	636783.7	1835852	7064	GWS	1.505263
162	636783.8	1835852	6866	GWS	1.356391
163	636783.7	1835852	8256	GWS	2.401504
164	636783.5	1835852	8994	GWS	2.956391
165	636783.3	1835852	8728	GWS	2.756391
166	636783.4	1835852	9922	GWS	3.654135
167	636783.5	1835852	8180	GWS	2.344361
168	636783.2	1835852	8706	GWS	2.73985
169	636783.4	1835852	8176	GWS	2.341353
170	636784	1835852	7294	GWS	1.678195
171	636784.5	1835852	7913	GWS	2.143609
172	636785	1835853	7378	GWS	1.741353
173	636785.3	1835853	7694	GWS	1.978947
174	636785.3	1835854	6753	GWS	1.271429
175	636785.1	1835854	5438	GWS	0.282707
176	636784.5	1835855	5781	GWS	0.540602
177	636784	1835854	6154	GWS	0.821053
178	636783.5	1835854	7028	GWS	1.478195
179	636783.2	1835854	7637	GWS	1.93609

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
180	636783	1835854	7339	GWS	1.71203
181	636783	1835853	7594	GWS	1.903759
182	636783.3	1835853	7448	GWS	1.793985
183	636783.5	1835852	7472	GWS	1.81203
184	636771.6	1835851	6689	GWS	1.223308
185	636771.8	1835851	7342	GWS	1.714286
186	636771.9	1835850	7235	GWS	1.633835
187	636772	1835851	6278	GWS	0.914286
188	636772.1	1835851	6639	GWS	1.185714
189	636772.1	1835850	6550	GWS	1.118797
190	636772	1835850	6767	GWS	1.281955
191	636772	1835850	6131	GWS	0.803759
192	636771.9	1835851	7263	GWS	1.654887
193	636772.3	1835851	7335	GWS	1.709023
194	636773	1835851	6693	GWS	1.226316
195	636773.5	1835851	6563	GWS	1.128571
196	636773.9	1835850	7521	GWS	1.848872
197	636773.9	1835850	7640	GWS	1.938346
198	636773.4	1835849	6680	GWS	1.216541
199	636773	1835849	7040	GWS	1.487218
200	636773.1	1835849	6890	GWS	1.374436
201	636773.2	1835849	7152	GWS	1.571429
202	636773.3	1835849	7248	GWS	1.643609
203	636773.2	1835849	7362	GWS	1.729323
204	636773.1	1835848	7060	GWS	1.502256
205	636745.5	1835891	6638	GWS	1.184962
206	636745.1	1835891	6069	GWS	0.757143
207	636744.9	1835892	5231	GWS	0.127068
208	636744.6	1835892	5080	GWS	0.013534
209	636744.3	1835893	5040	GWS	-0.01654
210	636743.7	1835893	5377	GWS	0.236842
211	636743.2	1835893	5769	GWS	0.531579
212	636742.9	1835893	6350	GWS	0.968421
213	636743.1	1835892	5501	GWS	0.330075
214	636743.4	1835892	5427	GWS	0.274436
215	636743.8	1835891	5017	GWS	-0.03383
216	636744.2	1835891	5170	GWS	0.081203
217	636744.8	1835891	5398	GWS	0.252632
218	636745.3	1835891	5429	GWS	0.27594
219	636745.6	1835892	4568	GWS	-0.37143
220	636745.9	1835892	4040	GWS	-0.76842
221	636746.4	1835893	3690	GWS	-1.03158
222	636746.8	1835893	3659	GWS	-1.05489
223	636747.3	1835893	3594	GWS	-1.10376
224	636747.5	1835894	3599	GWS	-1.1

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
225	636747.3	1835894	3699	GWS	-1.02481
226	636747	1835895	3495	GWS	-1.1782
227	636746.6	1835895	3677	GWS	-1.04135
228	636746.1	1835895	4007	GWS	-0.79323
229	636745.6	1835894	3989	GWS	-0.80677
230	636745.2	1835894	3917	GWS	-0.8609
231	636744.7	1835894	3978	GWS	-0.81504
232	636744.4	1835893	3622	GWS	-1.08271
233	636744.1	1835893	3609	GWS	-1.09248
234	636744.1	1835893	4175	GWS	-0.66692
235	636744.4	1835893	4613	GWS	-0.33759
236	636745.1	1835893	3870	GWS	-0.89624
237	636745.7	1835893	3684	GWS	-1.03609
238	636746.1	1835893	3862	GWS	-0.90226
239	636746.4	1835893	3611	GWS	-1.09098
240	636746.8	1835893	3595	GWS	-1.10301
241	636747.3	1835893	3713	GWS	-1.01429
242	636748	1835893	4585	GWS	-0.35865
243	636748.5	1835894	4949	GWS	-0.08496
244	636748.5	1835894	5011	GWS	-0.03835
245	636748.1	1835895	5151	GWS	0.066917
246	636747.8	1835895	4727	GWS	-0.25188
247	636747.3	1835896	4759	GWS	-0.22782
248	636746.9	1835896	4957	GWS	-0.07895
249	636746.5	1835896	5466	GWS	0.303759
250	636746.4	1835895	5279	GWS	0.163158
251	636746.8	1835895	5377	GWS	0.236842
252	636747.2	1835894	4742	GWS	-0.2406
253	636747.5	1835894	4782	GWS	-0.21053
254	636748	1835894	4632	GWS	-0.32331
255	636748.3	1835894	5868	GWS	0.606015
256	636749.2	1835894	7389	GWS	1.749624
257	636749.4	1835894	6167	GWS	0.830827
258	636749.7	1835895	5492	GWS	0.323308
259	636749.8	1835895	5294	GWS	0.174436
260	636749.7	1835896	4830	GWS	-0.17444
261	636749.4	1835896	4464	GWS	-0.44962
262	636748.9	1835897	4154	GWS	-0.68271
263	636748.6	1835897	4669	GWS	-0.29549
264	636748.1	1835897	4898	GWS	-0.12331
265	636747.8	1835896	4660	GWS	-0.30226
266	636748.1	1835896	4729	GWS	-0.25038
267	636748.5	1835895	4557	GWS	-0.3797
268	636748.8	1835895	4731	GWS	-0.24887
269	636749.4	1835895	4648	GWS	-0.31128

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
270	636749.9	1835895	4910	GWS	-0.11429
271	636750.1	1835896	4846	GWS	-0.16241
272	636750.5	1835896	4121	GWS	-0.70752
273	636751.1	1835896	3641	GWS	-1.06842
274	636751.6	1835897	3415	GWS	-1.23835
275	636752.1	1835897	3495	GWS	-1.1782
276	636752.1	1835898	3370	GWS	-1.27218
277	636751.8	1835898	3697	GWS	-1.02632
278	636751.4	1835899	3777	GWS	-0.96617
279	636750.8	1835898	3583	GWS	-1.11203
280	636750.2	1835898	3658	GWS	-1.05564
281	636749.8	1835898	3597	GWS	-1.1015
282	636749.3	1835897	3664	GWS	-1.05113
283	636749.1	1835897	3671	GWS	-1.04586
284	636749.1	1835896	3709	GWS	-1.01729
285	636749.4	1835896	3469	GWS	-1.19774
286	636750	1835896	3456	GWS	-1.20752
287	636750.5	1835896	3410	GWS	-1.24211
288	636750.9	1835896	3448	GWS	-1.21353
289	636751.4	1835897	3558	GWS	-1.13083
290	636751.8	1835897	3490	GWS	-1.18195
291	636751.8	1835898	3480	GWS	-1.18947
292	636751.6	1835898	3627	GWS	-1.07895
293	636751.1	1835898	3622	GWS	-1.08271
294	636750.7	1835898	3572	GWS	-1.1203
295	636750.3	1835898	3680	GWS	-1.0391
296	636749.9	1835897	3772	GWS	-0.96992
297	636749.5	1835897	3763	GWS	-0.97669
298	636749.4	1835897	3603	GWS	-1.09699
299	636749.4	1835896	3709	GWS	-1.01729
300	636749.9	1835896	3875	GWS	-0.89248
301	636750.3	1835896	3438	GWS	-1.22105
302	636750.8	1835896	3327	GWS	-1.30451
303	636751.2	1835897	3307	GWS	-1.31955
304	636751.6	1835897	3350	GWS	-1.28722
305	636751.8	1835898	3412	GWS	-1.2406
306	636751.6	1835898	4184	GWS	-0.66015
307	636751.5	1835899	4753	GWS	-0.23233
308	636751.5	1835899	4586	GWS	-0.35789
309	636751.6	1835899	4672	GWS	-0.29323
310	636751.6	1835899	4555	GWS	-0.3812
311	636751.7	1835899	4565	GWS	-0.37368
312	636752.1	1835898	4232	GWS	-0.62406
313	636752.5	1835898	4481	GWS	-0.43684
314	636752.8	1835898	4688	GWS	-0.2812

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
315	636752.7	1835898	4639	GWS	-0.31805
316	636752.4	1835898	4244	GWS	-0.61504
317	636752.3	1835898	4240	GWS	-0.61805
318	636752.2	1835899	4717	GWS	-0.2594
319	636752	1835899	4956	GWS	-0.0797
320	636751.6	1835899	4910	GWS	-0.11429
321	636751.4	1835899	4824	GWS	-0.17895
322	636749.8	1835900	6796	GWS	1.303759
323	636749.5	1835900	5599	GWS	0.403759
324	636749.5	1835900	5924	GWS	0.64812
325	636749.4	1835900	5612	GWS	0.413534
326	636749.1	1835900	4964	GWS	-0.07368
327	636748.6	1835901	4622	GWS	-0.33083
328	636748.2	1835901	4415	GWS	-0.48647
329	636747.7	1835900	4336	GWS	-0.54586
330	636747.7	1835900	3886	GWS	-0.88421
331	636747.9	1835899	3772	GWS	-0.96992
332	636748.3	1835899	3826	GWS	-0.92932
333	636748.7	1835899	3817	GWS	-0.93609
334	636749	1835900	4134	GWS	-0.69774
335	636749.2	1835900	4582	GWS	-0.3609
336	636748.9	1835901	4325	GWS	-0.55414
337	636748.2	1835901	4608	GWS	-0.34135
338	636747.2	1835900	5820	GWS	0.569925
339	636746.9	1835899	5831	GWS	0.578195
340	636746.6	1835899	4900	GWS	-0.1218
341	636746.5	1835899	4803	GWS	-0.19474
342	636746.7	1835898	4487	GWS	-0.43233
343	636747.2	1835898	4505	GWS	-0.4188
344	636747.5	1835899	5000	GWS	-0.04662
345	636747.2	1835899	4140	GWS	-0.69323
346	636746.6	1835899	3948	GWS	-0.83759
347	636746.2	1835899	4493	GWS	-0.42782
348	636745.9	1835898	6052	GWS	0.744361
349	636745.4	1835898	5769	GWS	0.531579
350	636744.8	1835898	4843	GWS	-0.16466
351	636744.4	1835897	5026	GWS	-0.02707
352	636744.6	1835897	4852	GWS	-0.15789
353	636745.1	1835897	4642	GWS	-0.31579
354	636745.5	1835897	4681	GWS	-0.28647
355	636745.6	1835897	4290	GWS	-0.58045
356	636745.3	1835898	3866	GWS	-0.89925
357	636744.7	1835898	3901	GWS	-0.87293
358	636744.4	1835897	4076	GWS	-0.74135
359	636744.5	1835897	5038	GWS	-0.01805



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
360	636744.5	1835896	4798	GWS	-0.1985
361	636744.2	1835896	5047	GWS	-0.01128
362	636744.1	1835896	4601	GWS	-0.34662
363	636744.2	1835896	4583	GWS	-0.36015
364	636744	1835897	4550	GWS	-0.38496
365	636743.6	1835897	4742	GWS	-0.2406
366	636743	1835897	4197	GWS	-0.65038
367	636742.7	1835896	4221	GWS	-0.63233
368	636743	1835896	4133	GWS	-0.6985
369	636743.2	1835896	4200	GWS	-0.64812
370	636737.8	1835895	5535	GWS	0.355639
371	636737.5	1835895	5880	GWS	0.615038
372	636737.7	1835895	5745	GWS	0.513534
373	636738.1	1835896	6509	GWS	1.08797
374	636738.1	1835896	6727	GWS	1.25188
375	636737.8	1835896	5641	GWS	0.435338
376	636737.5	1835897	5565	GWS	0.378195
377	636737.1	1835897	5568	GWS	0.380451
378	636736.7	1835897	5847	GWS	0.590226
379	636736.3	1835897	5651	GWS	0.442857
380	636736.3	1835897	5699	GWS	0.478947
381	636733.4	1835916	6874	GWS	1.362406
382	636733.3	1835917	5618	GWS	0.418045
383	636733.1	1835917	4548	GWS	-0.38647
384	636732.7	1835917	4118	GWS	-0.70977
385	636732.5	1835917	4244	GWS	-0.61504
386	636732.8	1835916	4104	GWS	-0.7203
387	636733.2	1835916	4124	GWS	-0.70526
388	636733.3	1835917	3977	GWS	-0.81579
389	636730.8	1835930	7105	GWS	1.53609
390	636731.2	1835931	7356	GWS	1.724812
391	636731.3	1835931	7389	GWS	1.749624
392	636731	1835931	6221	GWS	0.871429
393	636730.5	1835931	6202	GWS	0.857143
394	636730.2	1835932	5671	GWS	0.457895
395	636730	1835932	5936	GWS	0.657143
396	636729.7	1835932	6276	GWS	0.912782
397	636729.4	1835933	6219	GWS	0.869925
398	636729.3	1835933	5452	GWS	0.293233
399	636729.2	1835933	6067	GWS	0.755639
400	636719.9	1835941	6510	GWS	1.088722
401	636719.6	1835942	5857	GWS	0.597744
402	636719.4	1835942	5560	GWS	0.374436
403	636719	1835942	4890	GWS	-0.12932
404	636718.6	1835943	4535	GWS	-0.39624

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
405	636718.2	1835943	4988	GWS	-0.05564
406	636717.8	1835943	5116	GWS	0.040602
407	636717.8	1835942	4707	GWS	-0.26692
408	636718.2	1835942	4553	GWS	-0.38271
409	636718.7	1835942	4571	GWS	-0.36917
410	636719.1	1835941	4986	GWS	-0.05714
411	636719.2	1835941	5632	GWS	0.428571
412	636718.9	1835941	5740	GWS	0.509774
413	636718.4	1835942	4601	GWS	-0.34662
414	636717.8	1835942	4170	GWS	-0.67068
415	636717.2	1835942	4003	GWS	-0.79624
416	636716.8	1835941	3740	GWS	-0.99398
417	636716.3	1835941	3490	GWS	-1.18195
418	636715.9	1835941	3251	GWS	-1.36165
419	636715.7	1835940	3170	GWS	-1.42256
420	636715.8	1835940	3102	GWS	-1.47368
421	636716.3	1835939	2989	GWS	-1.55865
422	636716.7	1835939	3164	GWS	-1.42707
423	636717.1	1835940	3217	GWS	-1.38722
424	636717.5	1835940	3397	GWS	-1.25188
425	636718	1835940	3316	GWS	-1.31278
426	636718.4	1835941	3276	GWS	-1.34286
427	636718.7	1835941	3202	GWS	-1.3985
428	636718.4	1835942	3127	GWS	-1.45489
429	636717.8	1835942	3188	GWS	-1.40902
430	636717.3	1835941	2940	GWS	-1.59549
431	636717	1835941	3041	GWS	-1.51955
432	636716.7	1835941	2959	GWS	-1.5812
433	636716.3	1835940	2965	GWS	-1.57669
434	636715.9	1835940	2900	GWS	-1.62556
435	636716	1835940	2906	GWS	-1.62105
436	636716.6	1835940	2966	GWS	-1.57594
437	636717.1	1835940	2906	GWS	-1.62105
438	636717.5	1835940	2877	GWS	-1.64286
439	636718	1835941	2842	GWS	-1.66917
440	636718.4	1835941	2966	GWS	-1.57594
441	636718.2	1835942	3003	GWS	-1.54812
442	636717.7	1835942	3125	GWS	-1.45639
443	636717	1835942	3277	GWS	-1.34211
444	636716.4	1835941	3339	GWS	-1.29549
445	636715.8	1835941	3728	GWS	-1.00301
446	636715.2	1835940	4156	GWS	-0.6812
447	636714.6	1835940	4692	GWS	-0.2782
448	636714.4	1835940	4957	GWS	-0.07895
449	636714.5	1835940	4903	GWS	-0.11955

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
450	636714.8	1835939	5060	GWS	-0.0015
451	636715.2	1835939	4849	GWS	-0.16015
452	636715.5	1835938	5097	GWS	0.026316
453	636716.1	1835938	5035	GWS	-0.0203
454	636716.5	1835938	4684	GWS	-0.28421
455	636716.2	1835939	5027	GWS	-0.02632
456	636715.9	1835939	4883	GWS	-0.13459
457	636715.5	1835940	4681	GWS	-0.28647
458	636715.1	1835940	4643	GWS	-0.31504
459	636714.6	1835941	4787	GWS	-0.20677
460	636714.2	1835940	5332	GWS	0.203008
461	636713.8	1835940	5729	GWS	0.501504
462	636713.4	1835939	5525	GWS	0.34812
463	636713.1	1835939	5553	GWS	0.369173
464	636713.1	1835939	4983	GWS	-0.0594
465	636713.5	1835938	4918	GWS	-0.10827
466	636713.9	1835938	4701	GWS	-0.27143
467	636714.2	1835937	4842	GWS	-0.16541
468	636714.6	1835937	4883	GWS	-0.13459
469	636715.1	1835937	5387	GWS	0.244361
470	636715.2	1835937	5400	GWS	0.254135
471	636715	1835938	5257	GWS	0.146617
472	636714.9	1835938	4855	GWS	-0.15564
473	636714.4	1835939	4883	GWS	-0.13459
474	636714.1	1835939	4254	GWS	-0.60752
475	636713.8	1835939	4748	GWS	-0.23609
476	636713.5	1835939	5198	GWS	0.102256
477	636713.2	1835939	4829	GWS	-0.17519
478	636712.9	1835938	3976	GWS	-0.81654
479	636712.5	1835938	3384	GWS	-1.26165
480	636712.1	1835938	3593	GWS	-1.10451
481	636711.7	1835937	3465	GWS	-1.20075
482	636711.5	1835937	3506	GWS	-1.16992
483	636711.5	1835937	3718	GWS	-1.01053
484	636711.2	1835937	3829	GWS	-0.92707
485	636710.9	1835937	3745	GWS	-0.99023
486	636711	1835936	3847	GWS	-0.91353
487	636711.5	1835936	3665	GWS	-1.05038
488	636712	1835935	3502	GWS	-1.17293
489	636712.5	1835935	3568	GWS	-1.12331
490	636712.8	1835936	3448	GWS	-1.21353
491	636713.3	1835936	3457	GWS	-1.20677
492	636713.6	1835937	3508	GWS	-1.16842
493	636713.9	1835937	3219	GWS	-1.38571
494	636713.9	1835938	2992	GWS	-1.55639

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
495	636713.3	1835938	3026	GWS	-1.53083
496	636712.8	1835938	3116	GWS	-1.46316
497	636712.4	1835938	3291	GWS	-1.33158
498	636712.1	1835937	3158	GWS	-1.43158
499	636711.7	1835937	3390	GWS	-1.25714
500	636711.5	1835937	3167	GWS	-1.42481
501	636711.3	1835937	3246	GWS	-1.36541
502	636711	1835937	3601	GWS	-1.0985
503	636710.4	1835936	4190	GWS	-0.65564
504	636709.8	1835936	4937	GWS	-0.09398
505	636709.9	1835936	4899	GWS	-0.12256
506	636710.1	1835935	4616	GWS	-0.33534
507	636710.4	1835935	5169	GWS	0.080451
508	636710.8	1835934	4985	GWS	-0.05789
509	636711.2	1835934	5084	GWS	0.016541
510	636711.8	1835934	5169	GWS	0.080451
511	636712.1	1835935	5210	GWS	0.111278
512	636711.8	1835935	5188	GWS	0.094737
513	636711.4	1835936	4951	GWS	-0.08346
514	636710.8	1835936	4817	GWS	-0.18421
515	636710.5	1835936	5349	GWS	0.215789
516	636710.5	1835937	5754	GWS	0.520301
517	636710.3	1835938	7858	GWS	2.102256
518	636710.5	1835938	6974	GWS	1.437594
519	636710.9	1835939	5223	GWS	0.121053
520	636711.1	1835939	4805	GWS	-0.19323
521	636711.1	1835940	4908	GWS	-0.11579
522	636710.7	1835940	4298	GWS	-0.57444
523	636710.1	1835940	4398	GWS	-0.49925
524	636709.5	1835940	4468	GWS	-0.44662
525	636709.3	1835940	4861	GWS	-0.15113
526	636709.4	1835939	4729	GWS	-0.25038
527	636710	1835939	4355	GWS	-0.53158
528	636710.6	1835939	4392	GWS	-0.50376
529	636711.1	1835939	4515	GWS	-0.41128
530	636711.5	1835940	5382	GWS	0.240602
531	636712	1835940	4842	GWS	-0.16541
532	636712	1835940	4712	GWS	-0.26316
533	636711.8	1835941	4749	GWS	-0.23534
534	636711.3	1835941	4546	GWS	-0.38797
535	636711.2	1835940	4522	GWS	-0.40602
536	636711.4	1835940	3946	GWS	-0.8391
537	636711.8	1835940	3853	GWS	-0.90902
538	636712.2	1835940	3959	GWS	-0.82932
539	636712.6	1835941	5369	GWS	0.230827

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
540	636713.1	1835942	5225	GWS	0.122556
541	636713.5	1835942	4581	GWS	-0.36165
542	636713.8	1835942	4564	GWS	-0.37444
543	636714.1	1835942	5162	GWS	0.075188
544	636713.7	1835943	4576	GWS	-0.36541
545	636713.2	1835943	4351	GWS	-0.53459
546	636713	1835942	3828	GWS	-0.92782
547	636713.1	1835942	3891	GWS	-0.88045
548	636713.6	1835942	3902	GWS	-0.87218
549	636714.2	1835942	4363	GWS	-0.52556
550	636714.8	1835942	4854	GWS	-0.15639
551	636715.3	1835942	4710	GWS	-0.26466
552	636715.8	1835943	4554	GWS	-0.38195
553	636715.9	1835943	4279	GWS	-0.58872
554	636715.5	1835944	3944	GWS	-0.8406
555	636715.1	1835944	4119	GWS	-0.70902
556	636714.6	1835944	3864	GWS	-0.90075
557	636714.1	1835944	3877	GWS	-0.89098
558	636713.9	1835943	4223	GWS	-0.63083
559	636714.2	1835943	3935	GWS	-0.84737
560	636714.5	1835943	3896	GWS	-0.87669
561	636714.7	1835943	4082	GWS	-0.73684
562	636714.5	1835943	5341	GWS	0.209774
563	636714.5	1835942	5404	GWS	0.257143
564	636715	1835942	5462	GWS	0.300752
565	636699.6	1835970	6885	GWS	1.370677
566	636699.7	1835971	6671	GWS	1.209774
567	636699.8	1835972	5696	GWS	0.476692
568	636699.6	1835972	6189	GWS	0.847368
569	636699.3	1835972	6326	GWS	0.950376
570	636699	1835972	6081	GWS	0.766165
571	636698.9	1835972	7370	GWS	1.735338
572	636698.7	1835973	6912	GWS	1.390977
573	636698.4	1835973	7038	GWS	1.485714
574	636698.7	1835973	7009	GWS	1.46391
575	636698.7	1835973	7392	GWS	1.75188
576	636698.4	1835973	6918	GWS	1.395489
577	636698.2	1835973	7039	GWS	1.486466
578	636698.3	1835973	6259	GWS	0.9
579	636698.2	1835973	5782	GWS	0.541353
580	636688	1835976	7477	GWS	1.815789
581	636687.4	1835976	5399	GWS	0.253383
582	636687	1835976	4424	GWS	-0.4797
583	636686.9	1835976	4281	GWS	-0.58722
584	636686.9	1835976	4238	GWS	-0.61955

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
585	636687.1	1835976	4139	GWS	-0.69398
586	636687.3	1835976	4128	GWS	-0.70226
587	636687.3	1835976	3825	GWS	-0.93008
588	636687.4	1835976	4310	GWS	-0.56541
589	636687.6	1835976	4787	GWS	-0.20677
590	636687.4	1835977	5077	GWS	0.011278
591	636686.9	1835983	7972	GWS	2.18797
592	636687	1835984	5803	GWS	0.557143
593	636686.9	1835984	5116	GWS	0.040602
594	636686.5	1835985	4978	GWS	-0.06316
595	636686.2	1835985	4892	GWS	-0.12782
596	636685.8	1835986	4387	GWS	-0.50752
597	636685.3	1835985	4860	GWS	-0.15188
598	636685.2	1835985	4773	GWS	-0.21729
599	636685.5	1835984	4800	GWS	-0.19699
600	636685.9	1835984	4372	GWS	-0.5188
601	636686.5	1835984	4582	GWS	-0.3609
602	636686.7	1835984	5397	GWS	0.25188
603	636686.4	1835984	6524	GWS	1.099248
604	636686.1	1835984	4981	GWS	-0.0609
605	636685.9	1835984	4257	GWS	-0.60526
606	636685.4	1835984	3857	GWS	-0.90602
607	636684.9	1835985	3728	GWS	-1.00301
608	636684.5	1835984	3649	GWS	-1.06241
609	636684.1	1835984	3591	GWS	-1.10602
610	636683.7	1835984	3457	GWS	-1.20677
611	636683.3	1835983	3367	GWS	-1.27444
612	636682.9	1835983	3348	GWS	-1.28872
613	636683	1835982	3215	GWS	-1.38872
614	636683.2	1835982	3303	GWS	-1.32256
615	636683.7	1835982	3117	GWS	-1.46241
616	636684.1	1835982	3048	GWS	-1.51429
617	636684.6	1835982	3160	GWS	-1.43008
618	636684.9	1835982	3108	GWS	-1.46917
619	636685.3	1835983	3138	GWS	-1.44662
620	636685.7	1835983	3196	GWS	-1.40301
621	636686	1835983	3172	GWS	-1.42105
622	636685.8	1835984	3040	GWS	-1.5203
623	636685.3	1835984	3246	GWS	-1.36541
624	636684.6	1835984	3471	GWS	-1.19624
625	636684.3	1835984	3490	GWS	-1.18195
626	636683.9	1835983	3497	GWS	-1.17669
627	636683.6	1835983	3302	GWS	-1.32331
628	636683.1	1835983	3199	GWS	-1.40075
629	636682.5	1835983	3972	GWS	-0.81955

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
630	636682	1835983	4507 GWS		-0.41729
631	636681.6	1835982	5550 GWS		0.366917
632	636681.9	1835982	5274 GWS		0.159398
633	636682.3	1835982	4969 GWS		-0.06992
634	636682.5	1835981	5082 GWS		0.015038
635	636682.9	1835981	4996 GWS		-0.04962
636	636683.3	1835981	5045 GWS		-0.01278
637	636683.7	1835981	5530 GWS		0.35188
638	636683.5	1835981	4693 GWS		-0.27744
639	636683.2	1835982	4597 GWS		-0.34962
640	636682.8	1835983	4768 GWS		-0.22105
641	636682.3	1835983	4789 GWS		-0.20526
642	636681.6	1835983	5484 GWS		0.317293
643	636680.9	1835982	5566 GWS		0.378947
644	636680.6	1835981	5276 GWS		0.160902
645	636680.5	1835981	4947 GWS		-0.08647
646	636680.7	1835981	4883 GWS		-0.13459
647	636681	1835980	4464 GWS		-0.44962
648	636681.3	1835980	4453 GWS		-0.45789
649	636681.8	1835979	4680 GWS		-0.28722
650	636682.5	1835979	5115 GWS		0.03985
651	636682.6	1835980	5149 GWS		0.065414
652	636682.4	1835981	5122 GWS		0.045113
653	636682	1835981	4651 GWS		-0.30902
654	636681.5	1835981	4686 GWS		-0.28271
655	636681	1835982	4683 GWS		-0.28496
656	636680.5	1835981	4667 GWS		-0.29699
657	636680.3	1835981	4770 GWS		-0.21955
658	636679.9	1835980	4033 GWS		-0.77368
659	636679.5	1835980	3566 GWS		-1.12481
660	636678.9	1835980	3666 GWS		-1.04962
661	636678.5	1835979	3669 GWS		-1.04737
662	636678.4	1835979	3505 GWS		-1.17068
663	636678.5	1835978	3690 GWS		-1.03158
664	636679	1835978	3532 GWS		-1.15038
665	636679.4	1835978	3153 GWS		-1.43534
666	636679.9	1835978	3426 GWS		-1.23008
667	636680.1	1835979	3229 GWS		-1.3782
668	636680.6	1835979	3289 GWS		-1.33308
669	636680.9	1835979	3291 GWS		-1.33158
670	636681.2	1835979	3312 GWS		-1.31579
671	636681.1	1835980	3103 GWS		-1.47293
672	636680.7	1835980	3131 GWS		-1.45188
673	636680	1835980	3225 GWS		-1.3812
674	636679.7	1835980	3086 GWS		-1.48571

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
675	636679.5	1835979	3039	GWS	-1.52105
676	636679.1	1835979	3036	GWS	-1.52331
677	636678.8	1835979	3151	GWS	-1.43684
678	636678.3	1835979	3345	GWS	-1.29098
679	636677.8	1835979	4159	GWS	-0.67895
680	636677.3	1835979	4664	GWS	-0.29925
681	636677.2	1835979	4829	GWS	-0.17519
682	636677.3	1835978	4778	GWS	-0.21353
683	636677.6	1835978	4848	GWS	-0.1609
684	636678	1835977	4677	GWS	-0.28947
685	636678.3	1835977	4625	GWS	-0.32857
686	636678.7	1835977	4739	GWS	-0.24286
687	636679.2	1835977	5276	GWS	0.160902
688	636679.2	1835977	5075	GWS	0.009774
689	636678.8	1835978	4692	GWS	-0.2782
690	636678.4	1835978	4867	GWS	-0.14662
691	636678	1835979	4987	GWS	-0.05639
692	636677.6	1835980	7593	GWS	1.903008
693	636677.6	1835981	7148	GWS	1.568421
694	636678	1835981	5747	GWS	0.515038
695	636678.3	1835982	5295	GWS	0.175188
696	636678.4	1835982	5063	GWS	0.000752
697	636678.3	1835982	4670	GWS	-0.29474
698	636677.8	1835983	4187	GWS	-0.65789
699	636677.4	1835983	4335	GWS	-0.54662
700	636677.1	1835983	4186	GWS	-0.65865
701	636676.8	1835982	4919	GWS	-0.10752
702	636676.7	1835982	5197	GWS	0.101504
703	636676.7	1835982	5263	GWS	0.151128
704	636677	1835982	5083	GWS	0.015789
705	636677.3	1835981	4794	GWS	-0.2015
706	636677.8	1835982	4474	GWS	-0.44211
707	636678.1	1835982	4121	GWS	-0.70752
708	636678.6	1835982	5386	GWS	0.243609
709	636678.9	1835983	4679	GWS	-0.28797
710	636679.4	1835983	4297	GWS	-0.57519
711	636679.5	1835983	3955	GWS	-0.83233
712	636679.2	1835984	4137	GWS	-0.69549
713	636678.8	1835984	4742	GWS	-0.2406
714	636678.6	1835983	4790	GWS	-0.20451
715	636678.7	1835983	5184	GWS	0.091729
716	636679	1835983	4671	GWS	-0.29398
717	636679.4	1835983	4945	GWS	-0.08797
718	636679.8	1835984	5691	GWS	0.472932
719	636680.2	1835984	5404	GWS	0.257143



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
720	636680.8	1835984	4832	GWS	-0.17293
721	636681.2	1835984	4773	GWS	-0.21729
722	636681.5	1835985	4987	GWS	-0.05639
723	636681.2	1835985	4665	GWS	-0.2985
724	636680.7	1835985	4454	GWS	-0.45714
725	636680.4	1835985	4050	GWS	-0.7609
726	636680.5	1835984	4151	GWS	-0.68496
727	636681	1835984	4199	GWS	-0.64887
728	636681.6	1835984	5167	GWS	0.078947
729	636682.3	1835985	4811	GWS	-0.18872
730	636682.9	1835985	4649	GWS	-0.31053
731	636683.3	1835986	4355	GWS	-0.53158
732	636683.4	1835986	4077	GWS	-0.7406
733	636683	1835986	4573	GWS	-0.36767
734	636682.6	1835987	4762	GWS	-0.22556
735	636682	1835987	4756	GWS	-0.23008
736	636681.6	1835986	4460	GWS	-0.45263
737	636681.4	1835986	3791	GWS	-0.95564
738	636681.6	1835985	4184	GWS	-0.66015
739	636681.9	1835985	4364	GWS	-0.52481
740	636682.1	1835985	4509	GWS	-0.41579
741	636672.7	1835981	7246	GWS	1.642105
742	636672	1835981	6521	GWS	1.096992
743	636671.6	1835981	6160	GWS	0.825564
744	636671.8	1835981	7930	GWS	2.156391
745	636671.9	1835982	7682	GWS	1.969925
746	636672	1835982	6600	GWS	1.156391
747	636671.6	1835983	6390	GWS	0.998496
748	636671.1	1835983	7207	GWS	1.612782
749	636670.6	1835983	6722	GWS	1.24812
750	636670.5	1835983	7080	GWS	1.517293
751	636656	1836017	7201	GWS	1.608271
752	636656	1836017	5490	GWS	0.321805
753	636656.2	1836017	5317	GWS	0.191729
754	636656.1	1836017	4264	GWS	-0.6
755	636655.8	1836018	4544	GWS	-0.38947
756	636655.7	1836017	4146	GWS	-0.68872
757	636655.8	1836017	4672	GWS	-0.29323
758	636655.7	1836017	4210	GWS	-0.6406
759	636655.6	1836017	4408	GWS	-0.49173
760	636655.6	1836017	4789	GWS	-0.20526
761	636654.1	1836026	6432	GWS	1.030075
762	636654.1	1836027	5838	GWS	0.583459
763	636653.8	1836028	5294	GWS	0.174436
764	636653.3	1836028	4537	GWS	-0.39474

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
765	636653.1	1836029	4690	GWS	-0.2797
766	636652.6	1836029	5008	GWS	-0.0406
767	636652	1836029	5232	GWS	0.12782
768	636651.9	1836028	5163	GWS	0.07594
769	636652.4	1836028	4794	GWS	-0.2015
770	636652.8	1836027	4624	GWS	-0.32932
771	636653.3	1836027	4483	GWS	-0.43534
772	636653.4	1836026	4877	GWS	-0.1391
773	636653.5	1836026	5098	GWS	0.027068
774	636653.2	1836026	4608	GWS	-0.34135
775	636652.9	1836027	3836	GWS	-0.9218
776	636652.5	1836027	3554	GWS	-1.13383
777	636652	1836028	3271	GWS	-1.34662
778	636651.5	1836028	3205	GWS	-1.39624
779	636651	1836027	3251	GWS	-1.36165
780	636650.4	1836027	3539	GWS	-1.14511
781	636650	1836026	3684	GWS	-1.03609
782	636649.8	1836026	3665	GWS	-1.05038
783	636650.1	1836025	3382	GWS	-1.26316
784	636650.5	1836025	3595	GWS	-1.10301
785	636651.1	1836025	3360	GWS	-1.2797
786	636651.5	1836025	3136	GWS	-1.44812
787	636652.1	1836026	3081	GWS	-1.48947
788	636652.4	1836026	2979	GWS	-1.56617
789	636652.7	1836026	2943	GWS	-1.59323
790	636652.9	1836027	3085	GWS	-1.48647
791	636652.2	1836027	3071	GWS	-1.49699
792	636651.4	1836027	2857	GWS	-1.65789
793	636650.7	1836027	2875	GWS	-1.64436
794	636650.3	1836027	3084	GWS	-1.48722
795	636649.7	1836027	3069	GWS	-1.4985
796	636649.1	1836026	3878	GWS	-0.89023
797	636648.7	1836026	4478	GWS	-0.4391
798	636648.6	1836026	4731	GWS	-0.24887
799	636648.9	1836025	4701	GWS	-0.27143
800	636649.3	1836025	4099	GWS	-0.72406
801	636649.7	1836024	3932	GWS	-0.84962
802	636650.1	1836024	3927	GWS	-0.85338
803	636650.6	1836024	3774	GWS	-0.96842
804	636650.6	1836025	4020	GWS	-0.78346
805	636650.2	1836025	4008	GWS	-0.79248
806	636649.7	1836026	4140	GWS	-0.69323
807	636649.2	1836026	4481	GWS	-0.43684
808	636648.5	1836026	5168	GWS	0.079699
809	636647.8	1836025	5667	GWS	0.454887

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
810	636647.3	1836025	5205 GWS		0.107519
811	636647.5	1836025	4975 GWS		-0.06541
812	636647.7	1836024	4696 GWS		-0.27519
813	636648.1	1836024	4351 GWS		-0.53459
814	636648.5	1836023	4187 GWS		-0.65789
815	636648.9	1836023	4658 GWS		-0.30376
816	636649.3	1836023	4525 GWS		-0.40376
817	636649.3	1836024	4533 GWS		-0.39774
818	636649.1	1836024	4372 GWS		-0.5188
819	636648.6	1836025	4837 GWS		-0.16917
820	636648.1	1836025	4716 GWS		-0.26015
821	636647.5	1836025	4737 GWS		-0.24436
822	636647.3	1836024	4862 GWS		-0.15038
823	636646.9	1836024	4415 GWS		-0.48647
824	636646.6	1836024	4178 GWS		-0.66466
825	636646.1	1836023	3751 GWS		-0.98571
826	636645.7	1836023	3535 GWS		-1.14812
827	636645.3	1836023	3375 GWS		-1.26842
828	636645.2	1836022	3493 GWS		-1.1797
829	636645.4	1836022	3543 GWS		-1.14211
830	636645.8	1836021	3457 GWS		-1.20677
831	636646.4	1836021	3314 GWS		-1.31429
832	636646.8	1836021	3368 GWS		-1.27368
833	636647.2	1836022	3369 GWS		-1.27293
834	636647.5	1836022	3666 GWS		-1.04962
835	636648	1836022	3596 GWS		-1.10226
836	636648.3	1836023	3497 GWS		-1.17669
837	636648.5	1836023	3622 GWS		-1.08271
838	636648.5	1836023	3858 GWS		-0.90526
839	636648.3	1836023	3843 GWS		-0.91654
840	636647.9	1836024	3692 GWS		-1.03008
841	636647.5	1836024	3480 GWS		-1.18947
842	636646.7	1836024	3503 GWS		-1.17218
843	636646.1	1836023	3553 GWS		-1.13459
844	636645.5	1836023	3537 GWS		-1.14662
845	636645	1836023	3633 GWS		-1.07444
846	636644.3	1836022	3906 GWS		-0.86917
847	636643.9	1836022	4586 GWS		-0.35789
848	636644.2	1836022	4762 GWS		-0.22556
849	636644.5	1836021	4598 GWS		-0.34887
850	636645	1836020	4379 GWS		-0.51353
851	636645.5	1836020	4353 GWS		-0.53308
852	636646	1836020	4256 GWS		-0.60602
853	636645.7	1836021	4261 GWS		-0.60226
854	636645.3	1836021	4564 GWS		-0.37444

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
855	636644.9	1836022	4540	GWS	-0.39248
856	636644.7	1836023	5223	GWS	0.121053
857	636644.5	1836023	6231	GWS	0.878947
858	636644.3	1836024	6747	GWS	1.266917
859	636644.7	1836024	5230	GWS	0.126316
860	636645.2	1836025	4779	GWS	-0.21278
861	636645.5	1836025	4113	GWS	-0.71353
862	636645.7	1836026	4338	GWS	-0.54436
863	636645.3	1836026	4435	GWS	-0.47143
864	636644.9	1836026	4332	GWS	-0.54887
865	636644.3	1836026	3884	GWS	-0.88571
866	636644	1836026	4332	GWS	-0.54887
867	636643.7	1836026	3637	GWS	-1.07143
868	636644	1836025	3829	GWS	-0.92707
869	636644.5	1836025	3816	GWS	-0.93684
870	636645	1836025	4096	GWS	-0.72632
871	636645.3	1836025	4989	GWS	-0.05489
872	636645.4	1836025	5604	GWS	0.407519
873	636645.5	1836025	5415	GWS	0.265414
874	636645.9	1836026	5820	GWS	0.569925
875	636646.3	1836026	5696	GWS	0.476692
876	636646.7	1836026	6046	GWS	0.73985
877	636646.9	1836027	5567	GWS	0.379699
878	636646.7	1836027	5179	GWS	0.08797
879	636646.4	1836027	5973	GWS	0.684962
880	636645.9	1836027	5810	GWS	0.562406
881	636645.5	1836027	6423	GWS	1.023308
882	636645.4	1836027	6091	GWS	0.773684
883	636645.7	1836026	5702	GWS	0.481203
884	636646.3	1836026	5300	GWS	0.178947
885	636647.5	1836027	7054	GWS	1.497744
886	636647.8	1836027	5516	GWS	0.341353
887	636648.2	1836027	5345	GWS	0.212782
888	636648.3	1836028	4754	GWS	-0.23158
889	636648.4	1836028	4421	GWS	-0.48195
890	636647.9	1836029	4309	GWS	-0.56617
891	636647.5	1836028	3718	GWS	-1.01053
892	636647.4	1836028	3855	GWS	-0.90752
893	636647.8	1836028	3981	GWS	-0.81278
894	636648.2	1836028	4161	GWS	-0.67744
895	636648.6	1836028	5318	GWS	0.192481
896	636649.2	1836028	4881	GWS	-0.13609
897	636649.8	1836028	3885	GWS	-0.88496
898	636650.1	1836029	4095	GWS	-0.72707
899	636650.3	1836029	4148	GWS	-0.68722

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
900	636650	1836030	4388	GWS	-0.50677
901	636649.6	1836030	4388	GWS	-0.50677
902	636649	1836030	4433	GWS	-0.47293
903	636648.7	1836029	3963	GWS	-0.82632
904	636648.8	1836029	3767	GWS	-0.97368
905	636649.2	1836029	3646	GWS	-1.06466
906	636649.4	1836029	3912	GWS	-0.86466
907	636649.2	1836028	4935	GWS	-0.09549
908	636648.9	1836028	5011	GWS	-0.03835
909	636648.7	1836028	5466	GWS	0.303759
910	636634.3	1836056	7231	GWS	1.630827
911	636634.3	1836057	6457	GWS	1.048872
912	636634.3	1836058	6354	GWS	0.971429
913	636634.1	1836058	6508	GWS	1.087218
914	636633.7	1836058	6014	GWS	0.715789
915	636633.3	1836058	6370	GWS	0.983459
916	636633.1	1836058	6122	GWS	0.796992
917	636633	1836058	6481	GWS	1.066917
918	636632.9	1836059	5381	GWS	0.23985
919	636632.8	1836059	5959	GWS	0.674436
920	636632.4	1836059	5467	GWS	0.304511
921	636632.1	1836060	5250	GWS	0.141353
922	636632.4	1836060	5210	GWS	0.111278
923	636632.3	1836060	5361	GWS	0.224812
924	636632.1	1836060	5505	GWS	0.333083
925	636629.5	1836053	7176	GWS	1.589474
926	636629.5	1836052	5724	GWS	0.497744
927	636629.5	1836052	4689	GWS	-0.28045
928	636629.5	1836052	5008	GWS	-0.0406
929	636629.5	1836052	4751	GWS	-0.23383
930	636629.1	1836052	4923	GWS	-0.10451
931	636629	1836052	4659	GWS	-0.30301
932	636629	1836051	4525	GWS	-0.40376
933	636629	1836051	4863	GWS	-0.14962
934	636620.8	1836070	7430	GWS	1.780451
935	636620.6	1836071	6027	GWS	0.725564
936	636620.4	1836071	5392	GWS	0.24812
937	636620	1836072	5433	GWS	0.278947
938	636619.7	1836072	4983	GWS	-0.0594
939	636619.3	1836073	5151	GWS	0.066917
940	636618.7	1836073	5522	GWS	0.345865
941	636618.3	1836073	6915	GWS	1.393233
942	636618.2	1836072	6528	GWS	1.102256
943	636618.8	1836072	5013	GWS	-0.03684
944	636619.2	1836071	4927	GWS	-0.1015

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
945	636619.6	1836071	5591 GWS		0.397744
946	636619.8	1836070	6656 GWS		1.198496
947	636619.5	1836071	5316 GWS		0.190977
948	636619.1	1836071	4153 GWS		-0.68346
949	636618.7	1836072	3770 GWS		-0.97143
950	636618.2	1836072	3451 GWS		-1.21128
951	636617.7	1836071	3330 GWS		-1.30226
952	636617.1	1836071	3386 GWS		-1.26015
953	636616.6	1836071	3201 GWS		-1.39925
954	636616.2	1836070	3759 GWS		-0.9797
955	636616.3	1836070	3681 GWS		-1.03835
956	636616.5	1836069	3646 GWS		-1.06466
957	636616.8	1836069	4145 GWS		-0.68947
958	636617.3	1836069	3866 GWS		-0.89925
959	636617.9	1836069	3958 GWS		-0.83008
960	636618.1	1836069	3625 GWS		-1.08045
961	636618.6	1836070	3677 GWS		-1.04135
962	636619.1	1836070	3357 GWS		-1.28195
963	636619.2	1836071	3408 GWS		-1.24361
964	636619.1	1836071	3226 GWS		-1.38045
965	636618.6	1836072	3087 GWS		-1.48496
966	636617.8	1836072	3150 GWS		-1.43759
967	636617.2	1836071	3078 GWS		-1.49173
968	636616.8	1836071	3104 GWS		-1.47218
969	636616.2	1836070	3375 GWS		-1.26842
970	636615.7	1836070	3834 GWS		-0.92331
971	636615.1	1836070	4646 GWS		-0.31278
972	636614.8	1836070	4863 GWS		-0.14962
973	636615	1836069	4813 GWS		-0.18722
974	636615.4	1836069	4672 GWS		-0.29323
975	636615.7	1836068	4773 GWS		-0.21729
976	636616.1	1836068	5482 GWS		0.315789
977	636616.7	1836068	5731 GWS		0.503008
978	636617.2	1836068	5849 GWS		0.591729
979	636617.2	1836069	5825 GWS		0.573684
980	636616.7	1836069	5571 GWS		0.382707
981	636616.1	1836070	5001 GWS		-0.04586
982	636615.5	1836070	4935 GWS		-0.09549
983	636614.8	1836070	5109 GWS		0.035338
984	636614.2	1836069	5033 GWS		-0.0218
985	636613.7	1836069	5359 GWS		0.223308
986	636613.6	1836069	5182 GWS		0.090226
987	636613.8	1836068	4602 GWS		-0.34586
988	636614.3	1836068	4448 GWS		-0.46165
989	636614.7	1836067	4745 GWS		-0.23835

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
990	636614.9	1836067	4971	GWS	-0.06842
991	636615.4	1836067	4431	GWS	-0.47444
992	636615.5	1836067	4915	GWS	-0.11053
993	636615.4	1836068	4617	GWS	-0.33459
994	636614.9	1836068	4397	GWS	-0.5
995	636614.6	1836069	4693	GWS	-0.27744
996	636614.2	1836069	4312	GWS	-0.56391
997	636613.8	1836069	4391	GWS	-0.50451
998	636613.4	1836068	4442	GWS	-0.46617
999	636612.9	1836068	4126	GWS	-0.70376
1000	636612.4	1836067	4113	GWS	-0.71353
1001	636611.8	1836067	3963	GWS	-0.82632
1002	636611.3	1836067	3912	GWS	-0.86466
1003	636611.5	1836066	3767	GWS	-0.97368
1004	636611.8	1836065	3482	GWS	-1.18797
1005	636612.4	1836065	3505	GWS	-1.17068
1006	636612.9	1836065	3564	GWS	-1.12632
1007	636613.5	1836066	3385	GWS	-1.2609
1008	636613.8	1836066	3380	GWS	-1.26466
1009	636614.2	1836067	3301	GWS	-1.32406
1010	636614.3	1836067	3145	GWS	-1.44135
1011	636614.1	1836068	3171	GWS	-1.4218
1012	636613.9	1836068	3348	GWS	-1.28872
1013	636613.9	1836068	4015	GWS	-0.78722
1014	636613.7	1836068	4118	GWS	-0.70977
1015	636613.1	1836068	3951	GWS	-0.83534
1016	636612.6	1836068	4074	GWS	-0.74286
1017	636611.8	1836067	3786	GWS	-0.9594
1018	636611.2	1836067	3786	GWS	-0.9594
1019	636610.6	1836066	4616	GWS	-0.33534
1020	636610.2	1836066	4959	GWS	-0.07744
1021	636610.4	1836066	4964	GWS	-0.07368
1022	636610.7	1836065	4952	GWS	-0.08271
1023	636611.1	1836064	5118	GWS	0.042105
1024	636611.5	1836064	5489	GWS	0.321053
1025	636612.1	1836064	5000	GWS	-0.04662
1026	636612.2	1836065	4455	GWS	-0.45639
1027	636611.8	1836065	4298	GWS	-0.57444
1028	636611.3	1836065	4210	GWS	-0.6406
1029	636611.1	1836066	4438	GWS	-0.46917
1030	636610.8	1836067	6136	GWS	0.807519
1031	636610.8	1836068	7204	GWS	1.610526
1032	636611	1836068	5491	GWS	0.322556
1033	636611.4	1836069	4731	GWS	-0.24887
1034	636611.6	1836069	4753	GWS	-0.23233

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
1035	636611.3	1836070	4534	GWS	-0.39699
1036	636610.8	1836070	4440	GWS	-0.46767
1037	636610.5	1836070	4432	GWS	-0.47368
1038	636610	1836070	4736	GWS	-0.24511
1039	636609.9	1836069	4944	GWS	-0.08872
1040	636610.1	1836069	4813	GWS	-0.18722
1041	636610.8	1836069	4807	GWS	-0.19173
1042	636611.5	1836069	4174	GWS	-0.66767
1043	636611.8	1836069	4388	GWS	-0.50677
1044	636612	1836070	4583	GWS	-0.36015
1045	636612.4	1836070	4550	GWS	-0.38496
1046	636612.6	1836070	4134	GWS	-0.69774
1047	636612.5	1836071	4110	GWS	-0.71579
1048	636612.1	1836071	4044	GWS	-0.76541
1049	636611.9	1836070	3797	GWS	-0.95113
1050	636611.9	1836070	4020	GWS	-0.78346
1051	636612.4	1836070	3712	GWS	-1.01504
1052	636613.1	1836071	4365	GWS	-0.52406
1053	636613.7	1836071	4457	GWS	-0.45489
1054	636614.1	1836071	4217	GWS	-0.63534
1055	636614.6	1836072	3661	GWS	-1.05338
1056	636614.5	1836072	3882	GWS	-0.88722
1057	636614.3	1836073	3992	GWS	-0.80451
1058	636613.9	1836072	3849	GWS	-0.91203
1059	636613.6	1836072	3783	GWS	-0.96165
1060	636614	1836072	4014	GWS	-0.78797
1061	636614.6	1836072	4818	GWS	-0.18346
1062	636615.3	1836072	4893	GWS	-0.12707
1063	636615.9	1836072	5220	GWS	0.118797
1064	636616.4	1836072	5516	GWS	0.341353
1065	636616.5	1836073	5592	GWS	0.398496
1066	636616.6	1836073	5786	GWS	0.544361
1067	636616.3	1836074	5279	GWS	0.163158
1068	636615.8	1836074	4905	GWS	-0.11805
1069	636615.1	1836074	5444	GWS	0.287218
1070	636614.5	1836074	5852	GWS	0.593985
1071	636614.4	1836073	5677	GWS	0.462406
1072	636614.5	1836073	5675	GWS	0.460902
1073	636614.6	1836072	5750	GWS	0.517293
1074	636617.3	1836077	7715	GWS	1.994737
1075	636617.5	1836078	7298	GWS	1.681203
1076	636617.8	1836078	6504	GWS	1.084211
1077	636617.8	1836078	5949	GWS	0.666917
1078	636617.2	1836078	6008	GWS	0.711278
1079	636616.8	1836078	7638	GWS	1.936842



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
1080	636616.5	1836079	6289	GWS	0.922556
1081	636616.2	1836080	6792	GWS	1.300752
1082	636616.5	1836080	7698	GWS	1.981955
1083	636616.5	1836080	6124	GWS	0.798496
1084	636600.8	1836090	7617	GWS	1.921053
1085	636600.4	1836090	4724	GWS	-0.25414
1086	636600.2	1836090	4525	GWS	-0.40376
1087	636599.8	1836090	4345	GWS	-0.5391
1088	636599.5	1836090	5466	GWS	0.303759
1089	636599.5	1836090	5077	GWS	0.011278
1090	636600	1836089	4273	GWS	-0.59323
1091	636600.3	1836090	4563	GWS	-0.37519
1092	636600.1	1836091	5499	GWS	0.328571
1093	636599.5	1836091	7642	GWS	1.93985
1094	636581.3	1836109	7408	GWS	1.76391
1095	636580.9	1836109	7042	GWS	1.488722
1096	636580.8	1836110	6500	GWS	1.081203
1097	636580.5	1836110	5135	GWS	0.054887
1098	636580.1	1836111	5505	GWS	0.333083
1099	636579.4	1836111	5789	GWS	0.546617
1100	636579	1836111	5791	GWS	0.54812
1101	636578.8	1836110	6416	GWS	1.018045
1102	636578.5	1836110	6674	GWS	1.21203
1103	636578.6	1836109	8118	GWS	2.297744
1104	636579	1836109	6469	GWS	1.057895
1105	636579.6	1836109	6627	GWS	1.176692
1106	636580.2	1836109	6877	GWS	1.364662
1107	636580.5	1836109	6078	GWS	0.76391
1108	636580.9	1836110	6183	GWS	0.842857
1109	636581.2	1836110	5595	GWS	0.400752
1110	636581.7	1836111	5375	GWS	0.235338
1111	636581.7	1836111	4696	GWS	-0.27519
1112	636581.5	1836111	4801	GWS	-0.19624
1113	636581	1836111	4080	GWS	-0.73835
1114	636580.7	1836111	4050	GWS	-0.7609
1115	636580.9	1836111	4408	GWS	-0.49173
1116	636581.5	1836111	4467	GWS	-0.44737
1117	636582.2	1836111	4980	GWS	-0.06165
1118	636582.8	1836112	5381	GWS	0.23985
1119	636583.4	1836112	4729	GWS	-0.25038
1120	636583.5	1836112	4408	GWS	-0.49173
1121	636583.1	1836113	4466	GWS	-0.44812
1122	636582.5	1836113	4755	GWS	-0.23083
1123	636582.5	1836112	4392	GWS	-0.50376
1124	636582.8	1836112	4458	GWS	-0.45414

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Northing	Easting	Gamma	Det	Zs
1125	636583.4	1836112	4075	GWS	-0.74211
1126	636584	1836112	5142	GWS	0.06015
1127	636584.6	1836113	5165	GWS	0.077444
1128	636585	1836113	4713	GWS	-0.26241
1129	636585.3	1836113	4908	GWS	-0.11579
1130	636585	1836114	4096	GWS	-0.72632
1131	636584.7	1836114	3840	GWS	-0.9188
1132	636584.3	1836114	3780	GWS	-0.96391
1133	636583.9	1836114	3848	GWS	-0.91278
1134	636584	1836113	3812	GWS	-0.93985
1135	636584.3	1836113	4031	GWS	-0.77519
1136	636573.5	1836123	5897	GWS	0.62782
1137	636573.3	1836123	5642	GWS	0.43609
1138	636573.3	1836124	5791	GWS	0.54812
1139	636572.9	1836124	5690	GWS	0.47218
1140	636572.5	1836124	5323	GWS	0.196241
1141	636572.2	1836124	5941	GWS	0.660902
1142	636572.2	1836123	6334	GWS	0.956391
1143	636572.7	1836123	5783	GWS	0.542105
1144	636573.3	1836123	5330	GWS	0.201504
1145	636573.7	1836124	6501	GWS	1.081955
1146	636568.9	1836142	5911	GWS	0.638346
1147	636569	1836142	5965	GWS	0.678947
1148	636568.8	1836142	6242	GWS	0.887218
1149	636568.3	1836143	6180	GWS	0.840602
1150	636568	1836143	5715	GWS	0.490977
1151	636568	1836143	5622	GWS	0.421053
1152	636568.1	1836144	5877	GWS	0.612782
1153	636567.6	1836144	5548	GWS	0.365414
1154	636567.3	1836144	5921	GWS	0.645865
1155	636567.2	1836144	6285	GWS	0.919549
1156	636567.3	1836145	5921	GWS	0.645865
1157	636567.2	1836145	6465	GWS	1.054887
1158	636567.3	1836144	6176	GWS	0.837594
1159	636567.7	1836144	5834	GWS	0.580451
1160	636568	1836144	6056	GWS	0.747368
1161	636567.9	1836144	5496	GWS	0.326316

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
0	-122.364	37.7167	2228.78485	0	0	0	RS-700	1.446691
1	-122.364	37.7167	2232.12176	0	0	0	RS-700	1.463292
2	-122.364	37.7167	2114.70603	0	0	0	RS-700	0.879134
3	-122.364	37.7167	2190.99509	0	0	0	RS-700	1.258682
4	-122.364	37.7167	2220.33459	0	0	0	RS-700	1.40465
5	-122.364	37.7167	2166.76424	0	0	0	RS-700	1.138131
6	-122.364	37.7167	2165.54658	0	0	0	RS-700	1.132073
7	-122.364	37.7167	2138.1787	0	0	0	RS-700	0.995914
8	-122.364	37.7167	2201.89087	0	0	0	RS-700	1.31289
9	-122.364	37.7167	2169.44541	0	0	0	RS-700	1.15147
10	-122.364	37.7167	2170.08771	0	0	0	RS-700	1.154665
11	-122.364	37.7167	2162.97786	0	0	0	RS-700	1.119293
12	-122.364	37.7167	2195.77817	0	0	0	RS-700	1.282478
13	-122.364	37.7167	2164.87161	0	0	0	RS-700	1.128714
14	-122.364	37.7167	2123.42822	0	0	0	RS-700	0.922528
15	-122.364	37.7167	2174.65765	0	0	0	RS-700	1.177401
16	-122.364	37.71669	2188.76446	0	0	0	RS-700	1.247584
17	-122.364	37.71669	2172.77505	0	0	0	RS-700	1.168035
18	-122.364	37.71668	2174.2032	0	0	0	RS-700	1.17514
19	-122.364	37.71668	2207.88787	0	0	0	RS-700	1.342726
20	-122.364	37.71668	2173.42441	0	0	0	RS-700	1.171266
21	-122.364	37.71667	2261.04028	0	0	0	RS-700	1.607166
22	-122.364	37.71667	2195.75565	0	0	0	RS-700	1.282366
23	-122.364	37.71667	2182.44198	0	0	0	RS-700	1.216129
24	-122.364	37.71667	2236.89829	0	0	0	RS-700	1.487056
25	-122.364	37.71667	2142.83174	0	0	0	RS-700	1.019063
26	-122.364	37.71667	2167.09426	0	0	0	RS-700	1.139772
27	-122.364	37.71667	2194.98963	0	0	0	RS-700	1.278555
28	-122.364	37.71667	2210.0109	0	0	0	RS-700	1.353288
29	-122.364	37.71667	2216.33777	0	0	0	RS-700	1.384765
30	-122.364	37.71667	2161.76694	0	0	0	RS-700	1.113268
31	-122.364	37.71667	2307.92848	0	0	0	RS-700	1.84044
32	-122.364	37.71667	2284.814	0	0	0	RS-700	1.725443
33	-122.364	37.71667	2201.5489	0	0	0	RS-700	1.311189
34	-122.364	37.71667	2225.4519	0	0	0	RS-700	1.430109
35	-122.364	37.71667	2309.92649	0	0	0	RS-700	1.850381
36	-122.364	37.71667	2331.40553	0	0	0	RS-700	1.957241
37	-122.364	37.71667	2270.94949	0	0	0	RS-700	1.656465
38	-122.364	37.71667	2144.75494	0	0	0	RS-700	1.028632
39	-122.364	37.71667	2146.18599	0	0	0	RS-700	1.035751
40	-122.364	37.71667	2269.91234	0	0	0	RS-700	1.651305
41	-122.364	37.71667	2206.79287	0	0	0	RS-700	1.337278
42	-122.364	37.71667	2296.2727	0	0	0	RS-700	1.782451
43	-122.364	37.71667	2157.74798	0	0	0	RS-700	1.093274
44	-122.364	37.71667	2252.5712	0	0	0	RS-700	1.565031

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
45	-122.364	37.71667	2294.92539	0	0	0	RS-700	1.775748
46	-122.364	37.71667	2207.22662	0	0	0	RS-700	1.339436
47	-122.364	37.71666	2268.1401	0	0	0	RS-700	1.642488
48	-122.364	37.71666	2270.37678	0	0	0	RS-700	1.653616
49	-122.364	37.71666	2157.8699	0	0	0	RS-700	1.09388
50	-122.364	37.71666	2258.3608	0	0	0	RS-700	1.593835
51	-122.364	37.71665	2309.47938	0	0	0	RS-700	1.848156
52	-122.364	37.71665	2352.06624	0	0	0	RS-700	2.060031
53	-122.364	37.71665	2328.18256	0	0	0	RS-700	1.941207
54	-122.364	37.71665	2272.80413	0	0	0	RS-700	1.665692
55	-122.364	37.71664	2185.9894	0	0	0	RS-700	1.233778
56	-122.364	37.71664	2319.16959	0	0	0	RS-700	1.896366
57	-122.364	37.71664	2303.50438	0	0	0	RS-700	1.81843
58	-122.364	37.71663	2271.79156	0	0	0	RS-700	1.660655
59	-122.364	37.71663	2236.56448	0	0	0	RS-700	1.485395
60	-122.364	37.71663	2303.50669	0	0	0	RS-700	1.818441
61	-122.364	37.71662	2102.06775	0	0	0	RS-700	0.816257
62	-122.364	37.71662	2134.08698	0	0	0	RS-700	0.975557
63	-122.364	37.71662	1899.6783	0	0	0	RS-700	-0.19066
64	-122.364	37.71662	2137.86148	0	0	0	RS-700	0.994336
65	-122.364	37.71661	2247.79045	0	0	0	RS-700	1.541246
66	-122.364	37.71661	2059.31495	0	0	0	RS-700	0.603557
67	-122.364	37.71661	2152.64689	0	0	0	RS-700	1.067895
68	-122.364	37.7166	2218.23921	0	0	0	RS-700	1.394225
69	-122.364	37.7166	2178.97596	0	0	0	RS-700	1.198885
70	-122.364	37.7166	2140.32623	0	0	0	RS-700	1.006598
71	-122.364	37.7166	2214.88534	0	0	0	RS-700	1.377539
72	-122.364	37.71659	2219.67016	0	0	0	RS-700	1.401344
73	-122.364	37.71659	2173.76248	0	0	0	RS-700	1.172948
74	-122.364	37.71659	2124.17856	0	0	0	RS-700	0.926261
75	-122.364	37.71659	2155.30242	0	0	0	RS-700	1.081107
76	-122.364	37.71658	2130.40428	0	0	0	RS-700	0.957235
77	-122.364	37.71658	2191.321	0	0	0	RS-700	1.260303
78	-122.364	37.71658	2079.75199	0	0	0	RS-700	0.705234
79	-122.364	37.71657	2082.17039	0	0	0	RS-700	0.717266
80	-122.364	37.71657	2157.98028	0	0	0	RS-700	1.094429
81	-122.364	37.71657	2259.78614	0	0	0	RS-700	1.600926
82	-122.364	37.71657	2116.53592	0	0	0	RS-700	0.888238
83	-122.364	37.71656	2215.66056	0	0	0	RS-700	1.381396
84	-122.364	37.71656	2210.21753	0	0	0	RS-700	1.354316
85	-122.364	37.71656	2174.6506	0	0	0	RS-700	1.177366
86	-122.364	37.71655	2208.96165	0	0	0	RS-700	1.348068
87	-122.364	37.71655	2163.43906	0	0	0	RS-700	1.121587
88	-122.364	37.71655	2120.48943	0	0	0	RS-700	0.907908
89	-122.364	37.71655	2153.39648	0	0	0	RS-700	1.071624

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
90	-122.364	37.71655	2185.88597	0	0	0	RS-700	1.233264
91	-122.364	37.71655	2260.02341	0	0	0	RS-700	1.602107
92	-122.364	37.71655	2167.87301	0	0	0	RS-700	1.143647
93	-122.364	37.71654	2065.72627	0	0	0	RS-700	0.635454
94	-122.364	37.71654	2070.84179	0	0	0	RS-700	0.660904
95	-122.364	37.71654	2154.07766	0	0	0	RS-700	1.075013
96	-122.364	37.71653	2143.28691	0	0	0	RS-700	1.021328
97	-122.364	37.71653	2147.86124	0	0	0	RS-700	1.044086
98	-122.364	37.71653	2174.98885	0	0	0	RS-700	1.179049
99	-122.364	37.71652	2037.82112	0	0	0	RS-700	0.496622
100	-122.364	37.71652	2050.82351	0	0	0	RS-700	0.561311
101	-122.364	37.71652	2048.61476	0	0	0	RS-700	0.550322
102	-122.364	37.71652	2066.23398	0	0	0	RS-700	0.63798
103	-122.364	37.71652	2183.88375	0	0	0	RS-700	1.223302
104	-122.364	37.71652	2106.75454	0	0	0	RS-700	0.839575
105	-122.364	37.71652	2020.60359	0	0	0	RS-700	0.410963
106	-122.364	37.71651	2067.7328	0	0	0	RS-700	0.645437
107	-122.364	37.71651	2145.87433	0	0	0	RS-700	1.034201
108	-122.364	37.71651	2021.50663	0	0	0	RS-700	0.415456
109	-122.364	37.71651	2111.85485	0	0	0	RS-700	0.86495
110	-122.364	37.7165	2114.74595	0	0	0	RS-700	0.879333
111	-122.364	37.7165	2019.68863	0	0	0	RS-700	0.406411
112	-122.364	37.7165	2081.6215	0	0	0	RS-700	0.714535
113	-122.364	37.7165	1921.29183	0	0	0	RS-700	-0.08313
114	-122.364	37.71649	1958.7921	0	0	0	RS-700	0.103443
115	-122.364	37.71649	1948.16467	0	0	0	RS-700	0.05057
116	-122.364	37.71649	1914.38768	0	0	0	RS-700	-0.11747
117	-122.364	37.71649	1941.95794	0	0	0	RS-700	0.019691
118	-122.364	37.71648	1939.58999	0	0	0	RS-700	0.00791
119	-122.364	37.71648	1975.60437	0	0	0	RS-700	0.187086
120	-122.364	37.71648	1859.19236	0	0	0	RS-700	-0.39208
121	-122.364	37.71648	1971.49983	0	0	0	RS-700	0.166666
122	-122.364	37.71647	1878.47687	0	0	0	RS-700	-0.29613
123	-122.364	37.71647	1965.59447	0	0	0	RS-700	0.137286
124	-122.364	37.71647	1981.89785	0	0	0	RS-700	0.218397
125	-122.364	37.71647	2038.71469	0	0	0	RS-700	0.501068
126	-122.364	37.71646	2015.61284	0	0	0	RS-700	0.386134
127	-122.364	37.71646	2071.04162	0	0	0	RS-700	0.661899
128	-122.364	37.71646	2025.14336	0	0	0	RS-700	0.433549
129	-122.364	37.71645	2078.84079	0	0	0	RS-700	0.7007
130	-122.364	37.71645	2045.43845	0	0	0	RS-700	0.53452
131	-122.364	37.71645	2017.52224	0	0	0	RS-700	0.395633
132	-122.364	37.71645	2184.66309	0	0	0	RS-700	1.22718
133	-122.364	37.71644	2037.33668	0	0	0	RS-700	0.494212
134	-122.364	37.71644	2114.46803	0	0	0	RS-700	0.87795

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
135	-122.364	37.71644	2118.64087	0	0	0	RS-700	0.898711
136	-122.364	37.71644	2077.74529	0	0	0	RS-700	0.69525
137	-122.364	37.71644	2018.81657	0	0	0	RS-700	0.402072
138	-122.364	37.71644	2096.16432	0	0	0	RS-700	0.786887
139	-122.364	37.71644	2038.12646	0	0	0	RS-700	0.498142
140	-122.364	37.71645	2048.33932	0	0	0	RS-700	0.548952
141	-122.364	37.71645	2047.51661	0	0	0	RS-700	0.544859
142	-122.364	37.71645	2037.92301	0	0	0	RS-700	0.497129
143	-122.364	37.71646	1980.09688	0	0	0	RS-700	0.209437
144	-122.364	37.71646	1930.87888	0	0	0	RS-700	-0.03543
145	-122.364	37.71645	2044.02528	0	0	0	RS-700	0.527489
146	-122.364	37.71645	2037.43374	0	0	0	RS-700	0.494695
147	-122.364	37.71645	1992.9012	0	0	0	RS-700	0.27314
148	-122.364	37.71646	2051.20906	0	0	0	RS-700	0.563229
149	-122.364	37.71646	2025.12583	0	0	0	RS-700	0.433462
150	-122.364	37.71646	2021.70973	0	0	0	RS-700	0.416466
151	-122.364	37.71646	2065.83242	0	0	0	RS-700	0.635982
152	-122.364	37.71646	2007.2108	0	0	0	RS-700	0.344332
153	-122.364	37.71645	2042.30674	0	0	0	RS-700	0.518939
154	-122.364	37.71645	2205.10326	0	0	0	RS-700	1.328872
155	-122.364	37.71645	2083.34746	0	0	0	RS-700	0.723122
156	-122.364	37.71644	2120.74811	0	0	0	RS-700	0.909195
157	-122.364	37.71644	2085.73665	0	0	0	RS-700	0.735008
158	-122.364	37.71644	2032.51796	0	0	0	RS-700	0.470239
159	-122.364	37.71644	2018.8138	0	0	0	RS-700	0.402059
160	-122.364	37.71643	2020.92782	0	0	0	RS-700	0.412576
161	-122.363	37.71643	2075.35521	0	0	0	RS-700	0.683359
162	-122.363	37.71643	2072.84221	0	0	0	RS-700	0.670857
163	-122.363	37.71642	1951.88446	0	0	0	RS-700	0.069077
164	-122.363	37.71642	2019.81278	0	0	0	RS-700	0.407029
165	-122.363	37.71642	2135.75755	0	0	0	RS-700	0.983868
166	-122.363	37.71642	2046.93045	0	0	0	RS-700	0.541943
167	-122.363	37.71641	2095.94941	0	0	0	RS-700	0.785818
168	-122.363	37.71641	2044.23243	0	0	0	RS-700	0.52852
169	-122.363	37.71641	2098.63586	0	0	0	RS-700	0.799183
170	-122.363	37.7164	2053.53934	0	0	0	RS-700	0.574823
171	-122.363	37.7164	2032.71742	0	0	0	RS-700	0.471231
172	-122.363	37.7164	2062.04365	0	0	0	RS-700	0.617133
173	-122.363	37.71639	2056.71702	0	0	0	RS-700	0.590632
174	-122.363	37.71639	1951.79069	0	0	0	RS-700	0.06861
175	-122.363	37.71639	2008.70851	0	0	0	RS-700	0.351784
176	-122.363	37.71639	1990.00563	0	0	0	RS-700	0.258734
177	-122.363	37.71638	1650.50547	0	0	0	RS-700	-1.43032
178	-122.363	37.71638	1816.47186	0	0	0	RS-700	-0.60462
179	-122.363	37.71638	1979.79687	0	0	0	RS-700	0.207945

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
180	-122.363	37.71638	2107.06156	0	0	0	RS-700	0.841102
181	-122.363	37.71637	2125.32644	0	0	0	RS-700	0.931972
182	-122.363	37.71637	2085.95025	0	0	0	RS-700	0.736071
183	-122.363	37.71637	2091.94463	0	0	0	RS-700	0.765894
184	-122.363	37.71637	1967.58942	0	0	0	RS-700	0.147211
185	-122.363	37.71637	2041.61746	0	0	0	RS-700	0.51551
186	-122.363	37.71637	2034.82093	0	0	0	RS-700	0.481696
187	-122.363	37.71637	2033.72113	0	0	0	RS-700	0.476225
188	-122.363	37.71636	2038.91852	0	0	0	RS-700	0.502082
189	-122.363	37.71636	2022.81608	0	0	0	RS-700	0.421971
190	-122.363	37.71636	2003.71036	0	0	0	RS-700	0.326917
191	-122.363	37.71636	2085.84051	0	0	0	RS-700	0.735525
192	-122.363	37.71635	2107.2028	0	0	0	RS-700	0.841805
193	-122.363	37.71635	2045.02871	0	0	0	RS-700	0.532481
194	-122.363	37.71635	2085.26069	0	0	0	RS-700	0.73264
195	-122.363	37.71634	2063.82479	0	0	0	RS-700	0.625994
196	-122.363	37.71634	1808.81174	0	0	0	RS-700	-0.64273
197	-122.363	37.71634	1610.1607	0	0	0	RS-700	-1.63104
198	-122.363	37.71633	1817.82885	0	0	0	RS-700	-0.59787
199	-122.363	37.71633	2059.92768	0	0	0	RS-700	0.606605
200	-122.363	37.71633	2008.31123	0	0	0	RS-700	0.349807
201	-122.363	37.71633	2077.25539	0	0	0	RS-700	0.692813
202	-122.363	37.71632	2019.21836	0	0	0	RS-700	0.404071
203	-122.363	37.71632	2036.60641	0	0	0	RS-700	0.490579
204	-122.363	37.71632	2014.80663	0	0	0	RS-700	0.382123
205	-122.363	37.71631	2043.92202	0	0	0	RS-700	0.526975
206	-122.363	37.71631	2056.35308	0	0	0	RS-700	0.588821
207	-122.363	37.71631	2072.54981	0	0	0	RS-700	0.669402
208	-122.363	37.71631	1963.09638	0	0	0	RS-700	0.124858
209	-122.363	37.7163	2101.26366	0	0	0	RS-700	0.812257
210	-122.363	37.7163	2093.63646	0	0	0	RS-700	0.774311
211	-122.363	37.7163	2145.86299	0	0	0	RS-700	1.034144
212	-122.363	37.7163	2159.87138	0	0	0	RS-700	1.103838
213	-122.363	37.7163	2103.15613	0	0	0	RS-700	0.821672
214	-122.363	37.7163	2088.94595	0	0	0	RS-700	0.750975
215	-122.363	37.7163	2026.6138	0	0	0	RS-700	0.440865
216	-122.363	37.7163	1992.04054	0	0	0	RS-700	0.268858
217	-122.363	37.7163	2052.42268	0	0	0	RS-700	0.569267
218	-122.363	37.7163	2115.8523	0	0	0	RS-700	0.884837
219	-122.363	37.7163	2102.05896	0	0	0	RS-700	0.816214
220	-122.363	37.7163	2040.82425	0	0	0	RS-700	0.511563
221	-122.363	37.7163	2195.77327	0	0	0	RS-700	1.282454
222	-122.363	37.7163	2280.92337	0	0	0	RS-700	1.706086
223	-122.363	37.7163	2162.86588	0	0	0	RS-700	1.118736
224	-122.363	37.7163	2209.43433	0	0	0	RS-700	1.35042

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
225	-122.363	37.7163	2167.65538	0	0	0	RS-700	1.142564
226	-122.363	37.7163	2178.55386	0	0	0	RS-700	1.196785
227	-122.363	37.71629	2129.87556	0	0	0	RS-700	0.954605
228	-122.363	37.71629	2169.90061	0	0	0	RS-700	1.153734
229	-122.363	37.71629	2176.76972	0	0	0	RS-700	1.187909
230	-122.363	37.71628	2074.14331	0	0	0	RS-700	0.67733
231	-122.363	37.71628	2089.73775	0	0	0	RS-700	0.754914
232	-122.363	37.71628	2136.97088	0	0	0	RS-700	0.989905
233	-122.363	37.71628	2040.92188	0	0	0	RS-700	0.512049
234	-122.363	37.71627	2099.06703	0	0	0	RS-700	0.801329
235	-122.363	37.71627	2036.72232	0	0	0	RS-700	0.491156
236	-122.363	37.71627	1959.09276	0	0	0	RS-700	0.104939
237	-122.363	37.71627	2073.3564	0	0	0	RS-700	0.673415
238	-122.363	37.71626	1988.80311	0	0	0	RS-700	0.252752
239	-122.363	37.71626	1983.79903	0	0	0	RS-700	0.227856
240	-122.363	37.71626	1922.4904	0	0	0	RS-700	-0.07716
241	-122.363	37.71626	1943.97383	0	0	0	RS-700	0.029721
242	-122.363	37.71626	1921.29823	0	0	0	RS-700	-0.08309
243	-122.363	37.71625	2048.42146	0	0	0	RS-700	0.54936
244	-122.363	37.71625	2035.41675	0	0	0	RS-700	0.48466
245	-122.363	37.71625	2089.83339	0	0	0	RS-700	0.75539
246	-122.363	37.71625	2015.62032	0	0	0	RS-700	0.386171
247	-122.363	37.71624	2009.7	0	0	0	RS-700	0.356716
248	-122.363	37.71624	2023.32033	0	0	0	RS-700	0.424479
249	-122.363	37.71624	2055.52781	0	0	0	RS-700	0.584715
250	-122.363	37.71624	2097.85687	0	0	0	RS-700	0.795308
251	-122.363	37.71623	2058.92705	0	0	0	RS-700	0.601627
252	-122.363	37.71623	2027.82028	0	0	0	RS-700	0.446867
253	-122.363	37.71623	2117.32688	0	0	0	RS-700	0.892174
254	-122.363	37.71623	2060.64463	0	0	0	RS-700	0.610172
255	-122.363	37.71623	2034.1191	0	0	0	RS-700	0.478204
256	-122.363	37.71622	2128.0791	0	0	0	RS-700	0.945667
257	-122.363	37.71622	2103.95194	0	0	0	RS-700	0.825632
258	-122.363	37.71622	1973.69873	0	0	0	RS-700	0.177606
259	-122.363	37.71622	2095.95229	0	0	0	RS-700	0.785832
260	-122.363	37.71622	2047.93352	0	0	0	RS-700	0.546933
261	-122.363	37.71621	2074.9166	0	0	0	RS-700	0.681177
262	-122.363	37.71621	2083.04847	0	0	0	RS-700	0.721634
263	-122.363	37.71621	2107.75081	0	0	0	RS-700	0.844531
264	-122.363	37.71621	2057.82984	0	0	0	RS-700	0.596168
265	-122.363	37.71621	2128.96718	0	0	0	RS-700	0.950085
266	-122.363	37.71621	2052.93203	0	0	0	RS-700	0.571801
267	-122.363	37.71621	2067.72495	0	0	0	RS-700	0.645398
268	-122.363	37.71621	2045.51413	0	0	0	RS-700	0.534896
269	-122.363	37.71621	2032.8271	0	0	0	RS-700	0.471777



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
270	-122.363	37.71621	2053.5135	0	0	0	RS-700	0.574694
271	-122.363	37.71621	2010.81568	0	0	0	RS-700	0.362267
272	-122.363	37.71621	2065.52358	0	0	0	RS-700	0.634446
273	-122.363	37.71621	2051.7025	0	0	0	RS-700	0.565684
274	-122.363	37.71621	2128.75461	0	0	0	RS-700	0.949028
275	-122.363	37.71621	2044.31072	0	0	0	RS-700	0.528909
276	-122.363	37.71621	2141.9669	0	0	0	RS-700	1.014761
277	-122.363	37.71621	2051.72375	0	0	0	RS-700	0.56579
278	-122.363	37.71621	2017.41031	0	0	0	RS-700	0.395076
279	-122.363	37.71621	2136.75517	0	0	0	RS-700	0.988832
280	-122.363	37.71621	2044.72554	0	0	0	RS-700	0.530973
281	-122.363	37.71621	2104.74302	0	0	0	RS-700	0.829567
282	-122.363	37.71621	2061.348	0	0	0	RS-700	0.613672
283	-122.363	37.71621	2145.17511	0	0	0	RS-700	1.030722
284	-122.363	37.71621	2065.61866	0	0	0	RS-700	0.634919
285	-122.363	37.71621	2102.32086	0	0	0	RS-700	0.817517
286	-122.363	37.71621	2147.43135	0	0	0	RS-700	1.041947
287	-122.363	37.71621	2184.86971	0	0	0	RS-700	1.228208
288	-122.363	37.71621	2125.06924	0	0	0	RS-700	0.930693
289	-122.363	37.7162	2117.53803	0	0	0	RS-700	0.893224
290	-122.363	37.7162	2117.6017	0	0	0	RS-700	0.893541
291	-122.363	37.7162	2159.76573	0	0	0	RS-700	1.103312
292	-122.363	37.7162	2089.26986	0	0	0	RS-700	0.752586
293	-122.363	37.7162	2131.75449	0	0	0	RS-700	0.963953
294	-122.363	37.7162	2158.88247	0	0	0	RS-700	1.098918
295	-122.363	37.7162	2091.20568	0	0	0	RS-700	0.762217
296	-122.363	37.7162	2056.93196	0	0	0	RS-700	0.591701
297	-122.363	37.7162	2134.63191	0	0	0	RS-700	0.978268
298	-122.363	37.71619	2095.05506	0	0	0	RS-700	0.781368
299	-122.363	37.71619	2212.78167	0	0	0	RS-700	1.367073
300	-122.363	37.71619	2087.53266	0	0	0	RS-700	0.743944
301	-122.363	37.71619	2029.22449	0	0	0	RS-700	0.453853
302	-122.363	37.71619	2028.51649	0	0	0	RS-700	0.450331
303	-122.363	37.71619	2017.40827	0	0	0	RS-700	0.395066
304	-122.363	37.71619	2098.63828	0	0	0	RS-700	0.799195
305	-122.363	37.71619	2031.92208	0	0	0	RS-700	0.467274
306	-122.363	37.71619	2041.1332	0	0	0	RS-700	0.5131
307	-122.363	37.71619	2037.62988	0	0	0	RS-700	0.495671
308	-122.363	37.71619	2145.18604	0	0	0	RS-700	1.030776
309	-122.363	37.71619	2044.61948	0	0	0	RS-700	0.530445
310	-122.363	37.71619	2156.52485	0	0	0	RS-700	1.087188
311	-122.363	37.71619	1995.19622	0	0	0	RS-700	0.284558
312	-122.363	37.71619	2032.83426	0	0	0	RS-700	0.471812
313	-122.363	37.71619	2145.20137	0	0	0	RS-700	1.030853
314	-122.363	37.71618	2089.74043	0	0	0	RS-700	0.754928

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
315	-122.363	37.71618	2066.64738	0	0	0	RS-700	0.640037
316	-122.363	37.71618	2091.63541	0	0	0	RS-700	0.764355
317	-122.363	37.71618	2027.1073	0	0	0	RS-700	0.44332
318	-122.363	37.71617	2015.30646	0	0	0	RS-700	0.384609
319	-122.363	37.71617	1994.30833	0	0	0	RS-700	0.280141
320	-122.363	37.71617	2000.91332	0	0	0	RS-700	0.313002
321	-122.363	37.71617	2022.81463	0	0	0	RS-700	0.421963
322	-122.363	37.71617	1937.19866	0	0	0	RS-700	-0.00399
323	-122.363	37.71617	1959.59145	0	0	0	RS-700	0.10742
324	-122.363	37.71617	1968.59833	0	0	0	RS-700	0.15223
325	-122.363	37.71616	2030.49888	0	0	0	RS-700	0.460193
326	-122.363	37.71616	1978.79958	0	0	0	RS-700	0.202983
327	-122.363	37.71616	1963.59471	0	0	0	RS-700	0.127337
328	-122.363	37.71616	1968.88938	0	0	0	RS-700	0.153679
329	-122.363	37.71616	1948.46405	0	0	0	RS-700	0.05206
330	-122.363	37.71615	1943.97646	0	0	0	RS-700	0.029734
331	-122.363	37.71615	1975.2028	0	0	0	RS-700	0.185089
332	-122.363	37.71615	1910.38997	0	0	0	RS-700	-0.13736
333	-122.363	37.71615	1907.95995	0	0	0	RS-700	-0.14945
334	-122.363	37.71615	1943.87976	0	0	0	RS-700	0.029253
335	-122.363	37.71615	1950.39655	0	0	0	RS-700	0.061674
336	-122.363	37.71615	1925.48606	0	0	0	RS-700	-0.06226
337	-122.363	37.71615	1855.74789	0	0	0	RS-700	-0.40921
338	-122.363	37.71615	1959.17017	0	0	0	RS-700	0.105324
339	-122.363	37.71615	1659.851	0	0	0	RS-700	-1.38383
340	-122.363	37.71614	1413.42333	0	0	0	RS-700	-2.60983
341	-122.363	37.71614	1596.55263	0	0	0	RS-700	-1.69874
342	-122.363	37.71614	1888.67135	0	0	0	RS-700	-0.24542
343	-122.363	37.71614	1873.84916	0	0	0	RS-700	-0.31916
344	-122.363	37.71613	1794.72411	0	0	0	RS-700	-0.71282
345	-122.363	37.71613	1864.65763	0	0	0	RS-700	-0.36489
346	-122.363	37.71613	1862.37882	0	0	0	RS-700	-0.37622
347	-122.363	37.71613	1912.76543	0	0	0	RS-700	-0.12555
348	-122.363	37.71613	1693.68011	0	0	0	RS-700	-1.21552
349	-122.363	37.71613	1450.07561	0	0	0	RS-700	-2.42748
350	-122.363	37.71613	1423.5743	0	0	0	RS-700	-2.55933
351	-122.363	37.71612	1182.35809	0	0	0	RS-700	-3.75941
352	-122.363	37.71612	954.09829	0	0	0	RS-700	-4.89503
353	-122.363	37.71612	1312.13462	0	0	0	RS-700	-3.11376
354	-122.363	37.71612	1548.62783	0	0	0	RS-700	-1.93717
355	-122.363	37.71611	1669.75817	0	0	0	RS-700	-1.33454
356	-122.363	37.71611	1686.42413	0	0	0	RS-700	-1.25162
357	-122.363	37.71611	1723.43955	0	0	0	RS-700	-1.06746
358	-122.363	37.71611	1973.7042	0	0	0	RS-700	0.177633
359	-122.363	37.7161	2078.94126	0	0	0	RS-700	0.7012

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
360	-122.363	37.7161	2140.50558	0	0	0	RS-700	1.00749
361	-122.363	37.7161	2043.7206	0	0	0	RS-700	0.525973
362	-122.363	37.7161	2151.41165	0	0	0	RS-700	1.06175
363	-122.363	37.71609	2138.97358	0	0	0	RS-700	0.999869
364	-122.363	37.71609	2211.89129	0	0	0	RS-700	1.362643
365	-122.363	37.71609	2185.21152	0	0	0	RS-700	1.229908
366	-122.363	37.71609	2215.56219	0	0	0	RS-700	1.380906
367	-122.363	37.71609	2180.76283	0	0	0	RS-700	1.207775
368	-122.363	37.71608	2142.51012	0	0	0	RS-700	1.017463
369	-122.363	37.71608	2094.53244	0	0	0	RS-700	0.778768
370	-122.363	37.71608	2010.90711	0	0	0	RS-700	0.362722
371	-122.363	37.71608	2024.51495	0	0	0	RS-700	0.430423
372	-122.363	37.71607	2069.24631	0	0	0	RS-700	0.652967
373	-122.363	37.71607	2028.12074	0	0	0	RS-700	0.448362
374	-122.363	37.71607	1972.91126	0	0	0	RS-700	0.173688
375	-122.363	37.71607	1909.38735	0	0	0	RS-700	-0.14235
376	-122.363	37.71606	1936.36915	0	0	0	RS-700	-0.00811
377	-122.363	37.71606	1956.59278	0	0	0	RS-700	0.092501
378	-122.363	37.71606	1996.60729	0	0	0	RS-700	0.291579
379	-122.363	37.71606	1950.4896	0	0	0	RS-700	0.062137
380	-122.363	37.71605	1890.57318	0	0	0	RS-700	-0.23595
381	-122.363	37.71605	1679.17645	0	0	0	RS-700	-1.28768
382	-122.363	37.71605	1634.40585	0	0	0	RS-700	-1.51042
383	-122.363	37.71605	1428.22007	0	0	0	RS-700	-2.53622
384	-122.363	37.71605	1419.44513	0	0	0	RS-700	-2.57987
385	-122.363	37.71605	1340.27201	0	0	0	RS-700	-2.97377
386	-122.363	37.71604	1220.17836	0	0	0	RS-700	-3.57125
387	-122.363	37.71604	1313.45784	0	0	0	RS-700	-3.10717
388	-122.363	37.71604	1252.26945	0	0	0	RS-700	-3.41159
389	-122.363	37.71604	1242.34099	0	0	0	RS-700	-3.46099
390	-122.363	37.71604	1440.42185	0	0	0	RS-700	-2.47551
391	-122.363	37.71604	1914.15463	0	0	0	RS-700	-0.11863
392	-122.363	37.71603	1901.86229	0	0	0	RS-700	-0.17979
393	-122.363	37.71603	2012.40808	0	0	0	RS-700	0.370189
394	-122.363	37.71603	1911.56644	0	0	0	RS-700	-0.13151
395	-122.363	37.71603	1554.68313	0	0	0	RS-700	-1.90705
396	-122.363	37.71603	1623.67858	0	0	0	RS-700	-1.56379
397	-122.363	37.71602	1788.7208	0	0	0	RS-700	-0.74268
398	-122.363	37.71602	1889.95265	0	0	0	RS-700	-0.23904
399	-122.363	37.71602	1923.58686	0	0	0	RS-700	-0.07171
400	-122.363	37.71602	1962.30805	0	0	0	RS-700	0.120936
401	-122.363	37.71601	1913.15416	0	0	0	RS-700	-0.12361
402	-122.363	37.71601	1957.51938	0	0	0	RS-700	0.097111
403	-122.363	37.71601	1810.42062	0	0	0	RS-700	-0.63472
404	-122.363	37.71601	1897.60729	0	0	0	RS-700	-0.20096

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
405	-122.363	37.71601	1992.80343	0	0	0	RS-700	0.272654
406	-122.363	37.71601	2056.23782	0	0	0	RS-700	0.588248
407	-122.363	37.716	2123.09741	0	0	0	RS-700	0.920883
408	-122.363	37.716	2098.21438	0	0	0	RS-700	0.797086
409	-122.363	37.716	2112.06391	0	0	0	RS-700	0.86599
410	-122.363	37.716	2120.75006	0	0	0	RS-700	0.909204
411	-122.363	37.716	2134.50661	0	0	0	RS-700	0.977645
412	-122.363	37.716	2126.6416	0	0	0	RS-700	0.938515
413	-122.363	37.716	2072.0406	0	0	0	RS-700	0.666869
414	-122.363	37.716	2050.82873	0	0	0	RS-700	0.561337
415	-122.363	37.71599	2146.76157	0	0	0	RS-700	1.038615
416	-122.363	37.71599	2087.84969	0	0	0	RS-700	0.745521
417	-122.363	37.71599	2081.84404	0	0	0	RS-700	0.715642
418	-122.363	37.71599	2125.51355	0	0	0	RS-700	0.932903
419	-122.363	37.71598	2068.73078	0	0	0	RS-700	0.650402
420	-122.363	37.71598	2078.6313	0	0	0	RS-700	0.699658
421	-122.363	37.71598	2120.96204	0	0	0	RS-700	0.910259
422	-122.363	37.71598	1998.00434	0	0	0	RS-700	0.298529
423	-122.363	37.71597	1998.39824	0	0	0	RS-700	0.300489
424	-122.363	37.71597	1961.49493	0	0	0	RS-700	0.11689
425	-122.363	37.71597	1966.69286	0	0	0	RS-700	0.142751
426	-122.363	37.71597	2002.11188	0	0	0	RS-700	0.318965
427	-122.363	37.71596	2032.92341	0	0	0	RS-700	0.472256
428	-122.363	37.71596	2073.83807	0	0	0	RS-700	0.675811
429	-122.363	37.71596	2112.63982	0	0	0	RS-700	0.868855
430	-122.363	37.71596	2198.78259	0	0	0	RS-700	1.297426
431	-122.363	37.71595	2068.04269	0	0	0	RS-700	0.646979
432	-122.363	37.71595	2082.21347	0	0	0	RS-700	0.71748
433	-122.363	37.71595	2084.04842	0	0	0	RS-700	0.726609
434	-122.363	37.71594	2047.41254	0	0	0	RS-700	0.544341
435	-122.363	37.71594	2101.74055	0	0	0	RS-700	0.81463
436	-122.363	37.71594	2081.83444	0	0	0	RS-700	0.715594
437	-122.363	37.71594	2020.02374	0	0	0	RS-700	0.408078
438	-122.363	37.71593	2123.96498	0	0	0	RS-700	0.925199
439	-122.363	37.71593	1947.97993	0	0	0	RS-700	0.049651
440	-122.363	37.71593	2031.82061	0	0	0	RS-700	0.466769
441	-122.363	37.71592	2079.15087	0	0	0	RS-700	0.702243
442	-122.363	37.71592	2017.42328	0	0	0	RS-700	0.395141
443	-122.363	37.71592	2105.64047	0	0	0	RS-700	0.834032
444	-122.363	37.71592	1991.50144	0	0	0	RS-700	0.266176
445	-122.363	37.71591	1976.20218	0	0	0	RS-700	0.190061
446	-122.363	37.71591	1930.77526	0	0	0	RS-700	-0.03594
447	-122.363	37.71591	1512.15537	0	0	0	RS-700	-2.11863
448	-122.363	37.71591	1904.50198	0	0	0	RS-700	-0.16666
449	-122.363	37.7159	2011.60298	0	0	0	RS-700	0.366184

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
450	-122.363	37.7159	2075.73408	0	0	0	RS-700	0.685244
451	-122.363	37.7159	2055.04844	0	0	0	RS-700	0.582331
452	-122.363	37.71589	2053.63769	0	0	0	RS-700	0.575312
453	-122.363	37.71589	1962.78439	0	0	0	RS-700	0.123305
454	-122.363	37.71589	1983.90084	0	0	0	RS-700	0.228362
455	-122.363	37.71589	2005.60055	0	0	0	RS-700	0.336321
456	-122.363	37.71588	2045.93649	0	0	0	RS-700	0.536997
457	-122.363	37.71588	2018.71756	0	0	0	RS-700	0.40158
458	-122.363	37.71588	2000.40704	0	0	0	RS-700	0.310483
459	-122.363	37.71588	1956.30368	0	0	0	RS-700	0.091063
460	-122.363	37.71587	1886.04413	0	0	0	RS-700	-0.25849
461	-122.363	37.71587	1976.50197	0	0	0	RS-700	0.191552
462	-122.363	37.71587	1982.30717	0	0	0	RS-700	0.220434
463	-122.363	37.71587	1968.9897	0	0	0	RS-700	0.154178
464	-122.363	37.71586	1937.68418	0	0	0	RS-700	-0.00157
465	-122.363	37.71586	1928.6858	0	0	0	RS-700	-0.04634
466	-122.363	37.71586	1963.49823	0	0	0	RS-700	0.126857
467	-122.363	37.71586	1864.56798	0	0	0	RS-700	-0.36533
468	-122.363	37.71585	2021.50933	0	0	0	RS-700	0.415469
469	-122.363	37.71585	1789.46729	0	0	0	RS-700	-0.73897
470	-122.363	37.71585	1858.74933	0	0	0	RS-700	-0.39428
471	-122.363	37.71585	1768.36904	0	0	0	RS-700	-0.84394
472	-122.363	37.71584	1850.18909	0	0	0	RS-700	-0.43687
473	-122.363	37.71584	1797.36542	0	0	0	RS-700	-0.69967
474	-122.362	37.71584	1775.74233	0	0	0	RS-700	-0.80725
475	-122.362	37.71584	1809.9058	0	0	0	RS-700	-0.63728
476	-122.362	37.71583	1750.62277	0	0	0	RS-700	-0.93223
477	-122.362	37.71583	1786.71985	0	0	0	RS-700	-0.75264
478	-122.362	37.71583	1687.09058	0	0	0	RS-700	-1.24831
479	-122.362	37.71583	1722.78447	0	0	0	RS-700	-1.07072
480	-122.362	37.71582	1800.63513	0	0	0	RS-700	-0.68341
481	-122.362	37.71582	1764.35883	0	0	0	RS-700	-0.86389
482	-122.362	37.71582	1643.421	0	0	0	RS-700	-1.46557
483	-122.362	37.71582	1769.98199	0	0	0	RS-700	-0.83591
484	-122.362	37.71581	1800.54718	0	0	0	RS-700	-0.68384
485	-122.362	37.71581	1880.46983	0	0	0	RS-700	-0.28622
486	-122.362	37.71581	1847.84085	0	0	0	RS-700	-0.44855
487	-122.362	37.71581	1752.53055	0	0	0	RS-700	-0.92273
488	-122.362	37.71581	1908.48316	0	0	0	RS-700	-0.14685
489	-122.362	37.71581	1948.99378	0	0	0	RS-700	0.054695
490	-122.362	37.7158	2056.26765	0	0	0	RS-700	0.588396
491	-122.362	37.7158	2004.61038	0	0	0	RS-700	0.331395
492	-122.362	37.7158	2041.81377	0	0	0	RS-700	0.516486
493	-122.362	37.7158	2003.60626	0	0	0	RS-700	0.326399
494	-122.362	37.71579	1976.52161	0	0	0	RS-700	0.19165

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
495	-122.362	37.71579	1920.96602	0	0	0	RS-700	-0.08475
496	-122.362	37.71579	1949.58757	0	0	0	RS-700	0.05765
497	-122.362	37.71578	1987.00019	0	0	0	RS-700	0.243782
498	-122.362	37.71578	2012.512	0	0	0	RS-700	0.370706
499	-122.362	37.71578	2047.93028	0	0	0	RS-700	0.546917
500	-122.362	37.71578	2079.31147	0	0	0	RS-700	0.703042
501	-122.362	37.71577	2110.38139	0	0	0	RS-700	0.857619
502	-122.362	37.71577	2193.44614	0	0	0	RS-700	1.270876
503	-122.362	37.71577	2126.74664	0	0	0	RS-700	0.939038
504	-122.362	37.71577	2100.0648	0	0	0	RS-700	0.806293
505	-122.362	37.71577	2035.03963	0	0	0	RS-700	0.482784
506	-122.362	37.71576	1957.59349	0	0	0	RS-700	0.09748
507	-122.362	37.71576	1877.95032	0	0	0	RS-700	-0.29875
508	-122.362	37.71576	1738.70117	0	0	0	RS-700	-0.99154
509	-122.362	37.71576	1277.24592	0	0	0	RS-700	-3.28733
510	-122.362	37.71575	1302.32601	0	0	0	RS-700	-3.16256
511	-122.362	37.71575	1317.29169	0	0	0	RS-700	-3.0881
512	-122.362	37.71575	1275.33317	0	0	0	RS-700	-3.29685
513	-122.362	37.71575	1293.33508	0	0	0	RS-700	-3.20729
514	-122.362	37.71575	1298.26359	0	0	0	RS-700	-3.18277
515	-122.362	37.71575	1462.42537	0	0	0	RS-700	-2.36604
516	-122.362	37.71574	1705.87139	0	0	0	RS-700	-1.15487
517	-122.362	37.71574	1951.80074	0	0	0	RS-700	0.06866
518	-122.362	37.71574	1931.58726	0	0	0	RS-700	-0.0319
519	-122.362	37.71574	1918.97634	0	0	0	RS-700	-0.09465
520	-122.362	37.71573	1934.48259	0	0	0	RS-700	-0.0175
521	-122.362	37.71573	1853.82574	0	0	0	RS-700	-0.41878
522	-122.362	37.71573	1951.98077	0	0	0	RS-700	0.069556
523	-122.362	37.71573	2091.42542	0	0	0	RS-700	0.763311
524	-122.362	37.71573	2129.86359	0	0	0	RS-700	0.954545
525	-122.362	37.71572	2124.07613	0	0	0	RS-700	0.925752
526	-122.362	37.71572	2192.10549	0	0	0	RS-700	1.264206
527	-122.362	37.71572	2112.95632	0	0	0	RS-700	0.870429
528	-122.362	37.71572	2193.77966	0	0	0	RS-700	1.272536
529	-122.362	37.71572	2165.08907	0	0	0	RS-700	1.129796
530	-122.362	37.71572	2141.08361	0	0	0	RS-700	1.010366
531	-122.362	37.71571	2049.72031	0	0	0	RS-700	0.555822
532	-122.362	37.71571	2052.02857	0	0	0	RS-700	0.567306
533	-122.362	37.71571	1919.87149	0	0	0	RS-700	-0.09019
534	-122.362	37.71571	2074.73469	0	0	0	RS-700	0.680272
535	-122.362	37.71571	1999.00559	0	0	0	RS-700	0.30351
536	-122.362	37.71571	2039.5146	0	0	0	RS-700	0.505048
537	-122.362	37.71571	2161.54363	0	0	0	RS-700	1.112157
538	-122.362	37.71571	2126.97485	0	0	0	RS-700	0.940173
539	-122.362	37.71571	2133.07472	0	0	0	RS-700	0.970521

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
540	-122.362	37.71571	2085.52547	0	0	0	RS-700	0.733958
541	-122.362	37.71571	2009.70899	0	0	0	RS-700	0.356761
542	-122.362	37.71571	1938.57708	0	0	0	RS-700	0.002871
543	-122.362	37.71571	1914.96494	0	0	0	RS-700	-0.1146
544	-122.362	37.71571	2061.83381	0	0	0	RS-700	0.616089
545	-122.362	37.71571	1995.01188	0	0	0	RS-700	0.283641
546	-122.362	37.71571	1880.67117	0	0	0	RS-700	-0.28522
547	-122.362	37.71571	1956.69312	0	0	0	RS-700	0.093001
548	-122.362	37.7157	1899.59692	0	0	0	RS-700	-0.19106
549	-122.362	37.7157	1929.67915	0	0	0	RS-700	-0.0414
550	-122.362	37.7157	1872.47219	0	0	0	RS-700	-0.32601
551	-122.362	37.71569	1917.29785	0	0	0	RS-700	-0.103
552	-122.362	37.71569	2061.44408	0	0	0	RS-700	0.61415
553	-122.362	37.71569	2104.52778	0	0	0	RS-700	0.828496
554	-122.362	37.71568	2065.83427	0	0	0	RS-700	0.635991
555	-122.362	37.71568	2066.42088	0	0	0	RS-700	0.63891
556	-122.362	37.71568	2072.52472	0	0	0	RS-700	0.669277
557	-122.362	37.71568	2063.31724	0	0	0	RS-700	0.623469
558	-122.362	37.71568	1899.2989	0	0	0	RS-700	-0.19254
559	-122.362	37.71567	1787.64149	0	0	0	RS-700	-0.74805
560	-122.362	37.71567	2188.32614	0	0	0	RS-700	1.245404
561	-122.362	37.71567	2225.67801	0	0	0	RS-700	1.431234
562	-122.362	37.71566	2258.6758	0	0	0	RS-700	1.595402
563	-122.362	37.71566	2291.92606	0	0	0	RS-700	1.760826
564	-122.362	37.71566	2327.1773	0	0	0	RS-700	1.936205
565	-122.362	37.71566	2365.52748	0	0	0	RS-700	2.127002
566	-122.362	37.71565	2427.07525	0	0	0	RS-700	2.43321
567	-122.362	37.71565	2446.23174	0	0	0	RS-700	2.528516
568	-122.362	37.71565	2349.59928	0	0	0	RS-700	2.047758
569	-122.362	37.71564	2348.88643	0	0	0	RS-700	2.044211
570	-122.362	37.71564	2357.49586	0	0	0	RS-700	2.087044
571	-122.362	37.71564	2413.75613	0	0	0	RS-700	2.366946
572	-122.362	37.71564	2324.29103	0	0	0	RS-700	1.921846
573	-122.362	37.71563	2383.43993	0	0	0	RS-700	2.216119
574	-122.362	37.71563	2274.34867	0	0	0	RS-700	1.673376
575	-122.362	37.71563	2241.23776	0	0	0	RS-700	1.508646
576	-122.362	37.71562	2300.70244	0	0	0	RS-700	1.80449
577	-122.362	37.71562	2221.02535	0	0	0	RS-700	1.408086
578	-122.362	37.71561	2184.99146	0	0	0	RS-700	1.228813
579	-122.362	37.71561	2159.65145	0	0	0	RS-700	1.102744
580	-122.362	37.71561	2118.27872	0	0	0	RS-700	0.896909
581	-122.362	37.71561	2183.54207	0	0	0	RS-700	1.221602
582	-122.362	37.71561	2154.29989	0	0	0	RS-700	1.076119
583	-122.362	37.7156	2176.88891	0	0	0	RS-700	1.188502
584	-122.362	37.7156	2123.5494	0	0	0	RS-700	0.923131

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
585	-122.362	37.7156	2068.83806	0	0	0	RS-700	0.650936
586	-122.362	37.7156	2103.42838	0	0	0	RS-700	0.823027
587	-122.362	37.71559	2082.41816	0	0	0	RS-700	0.718498
588	-122.362	37.71559	2045.03656	0	0	0	RS-700	0.53252
589	-122.362	37.71559	2105.0374	0	0	0	RS-700	0.831032
590	-122.362	37.71559	2041.65045	0	0	0	RS-700	0.515674
591	-122.362	37.71558	1936.39439	0	0	0	RS-700	-0.00799
592	-122.362	37.71558	2009.7086	0	0	0	RS-700	0.356759
593	-122.362	37.71558	2001.40577	0	0	0	RS-700	0.315452
594	-122.362	37.71558	1954.18572	0	0	0	RS-700	0.080526
595	-122.362	37.71557	1970.79433	0	0	0	RS-700	0.163156
596	-122.362	37.71557	1927.68562	0	0	0	RS-700	-0.05132
597	-122.362	37.71557	1862.08347	0	0	0	RS-700	-0.37769
598	-122.362	37.71557	1932.4971	0	0	0	RS-700	-0.02738
599	-122.362	37.71556	1854.57316	0	0	0	RS-700	-0.41506
600	-122.362	37.71556	1934.58786	0	0	0	RS-700	-0.01698
601	-122.362	37.71556	1862.47475	0	0	0	RS-700	-0.37575
602	-122.362	37.71556	1887.6635	0	0	0	RS-700	-0.25043
603	-122.362	37.71555	1902.6696	0	0	0	RS-700	-0.17577
604	-122.362	37.71555	1873.86046	0	0	0	RS-700	-0.3191
605	-122.362	37.71555	1938.68789	0	0	0	RS-700	0.003422
606	-122.362	37.71555	1943.58353	0	0	0	RS-700	0.027779
607	-122.362	37.71554	2029.41265	0	0	0	RS-700	0.454789
608	-122.362	37.71554	1895.96243	0	0	0	RS-700	-0.20914
609	-122.362	37.71554	1881.47856	0	0	0	RS-700	-0.2812
610	-122.362	37.71554	1563.63417	0	0	0	RS-700	-1.86252
611	-122.362	37.71553	1825.73561	0	0	0	RS-700	-0.55853
612	-122.362	37.71553	1910.38955	0	0	0	RS-700	-0.13737
613	-122.362	37.71553	1969.89712	0	0	0	RS-700	0.158692
614	-122.362	37.71553	2002.62064	0	0	0	RS-700	0.321496
615	-122.362	37.71552	1989.89542	0	0	0	RS-700	0.258186
616	-122.362	37.71552	2028.52918	0	0	0	RS-700	0.450394
617	-122.362	37.71552	1950.59495	0	0	0	RS-700	0.062661
618	-122.362	37.71552	1965.99223	0	0	0	RS-700	0.139265
619	-122.362	37.71551	1963.69769	0	0	0	RS-700	0.127849
620	-122.362	37.71551	1982.61443	0	0	0	RS-700	0.221962
621	-122.362	37.71551	1960.49681	0	0	0	RS-700	0.111924
622	-122.362	37.71551	1983.79597	0	0	0	RS-700	0.227841
623	-122.362	37.7155	2067.83834	0	0	0	RS-700	0.645962
624	-122.362	37.7155	1934.59013	0	0	0	RS-700	-0.01696
625	-122.362	37.7155	1992.90233	0	0	0	RS-700	0.273146
626	-122.362	37.7155	1958.48901	0	0	0	RS-700	0.101935
627	-122.362	37.71549	1936.9739	0	0	0	RS-700	-0.0051
628	-122.362	37.71549	1928.59251	0	0	0	RS-700	-0.0468
629	-122.362	37.71549	2045.03762	0	0	0	RS-700	0.532525



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
630	-122.362	37.71549	1892.47634	0	0	0	RS-700	-0.22649
631	-122.362	37.71548	1659.44445	0	0	0	RS-700	-1.38585
632	-122.362	37.71548	1579.67674	0	0	0	RS-700	-1.7827
633	-122.362	37.71548	1874.38759	0	0	0	RS-700	-0.31648
634	-122.362	37.71548	1913.77512	0	0	0	RS-700	-0.12052
635	-122.362	37.71547	1867.74919	0	0	0	RS-700	-0.34951
636	-122.362	37.71547	1550.56103	0	0	0	RS-700	-1.92756
637	-122.362	37.71547	1431.73776	0	0	0	RS-700	-2.51872
638	-122.362	37.71547	1303.47178	0	0	0	RS-700	-3.15686
639	-122.362	37.71547	1287.25997	0	0	0	RS-700	-3.23751
640	-122.362	37.71547	1317.37727	0	0	0	RS-700	-3.08768
641	-122.362	37.71547	1317.34649	0	0	0	RS-700	-3.08783
642	-122.362	37.71546	1352.62368	0	0	0	RS-700	-2.91232
643	-122.362	37.71546	1367.42017	0	0	0	RS-700	-2.83871
644	-122.362	37.71546	1557.1865	0	0	0	RS-700	-1.89459
645	-122.362	37.71546	1724.71638	0	0	0	RS-700	-1.06111
646	-122.362	37.71546	1809.73097	0	0	0	RS-700	-0.63815
647	-122.362	37.71545	1951.50111	0	0	0	RS-700	0.06717
648	-122.362	37.71545	1903.85859	0	0	0	RS-700	-0.16986
649	-122.362	37.71545	1619.83017	0	0	0	RS-700	-1.58293
650	-122.362	37.71545	1312.3062	0	0	0	RS-700	-3.1129
651	-122.362	37.71545	1477.62009	0	0	0	RS-700	-2.29045
652	-122.362	37.71544	1860.6596	0	0	0	RS-700	-0.38478
653	-122.362	37.71544	2014.60266	0	0	0	RS-700	0.381108
654	-122.362	37.71544	2012.80527	0	0	0	RS-700	0.372166
655	-122.362	37.71544	2052.72538	0	0	0	RS-700	0.570773
656	-122.362	37.71543	1933.25438	0	0	0	RS-700	-0.02361
657	-122.362	37.71543	1944.19278	0	0	0	RS-700	0.03081
658	-122.362	37.71543	1958.80942	0	0	0	RS-700	0.103529
659	-122.362	37.71543	1935.1788	0	0	0	RS-700	-0.01404
660	-122.362	37.71543	1986.02053	0	0	0	RS-700	0.238908
661	-122.362	37.71543	1936.07582	0	0	0	RS-700	-0.00957
662	-122.362	37.71543	1981.80922	0	0	0	RS-700	0.217956
663	-122.362	37.71543	2001.82576	0	0	0	RS-700	0.317541
664	-122.362	37.71542	1974.69832	0	0	0	RS-700	0.182579
665	-122.362	37.71542	1957.70199	0	0	0	RS-700	0.09802
666	-122.362	37.71542	2043.82563	0	0	0	RS-700	0.526496
667	-122.362	37.71542	2010.61267	0	0	0	RS-700	0.361257
668	-122.362	37.71542	2028.02745	0	0	0	RS-700	0.447898
669	-122.362	37.71542	2066.61219	0	0	0	RS-700	0.639862
670	-122.362	37.71542	1980.8965	0	0	0	RS-700	0.213415
671	-122.362	37.71542	1938.67409	0	0	0	RS-700	0.003354
672	-122.362	37.71542	2005.71695	0	0	0	RS-700	0.3369
673	-122.362	37.71542	1926.76148	0	0	0	RS-700	-0.05591
674	-122.362	37.71542	1955.07823	0	0	0	RS-700	0.084966

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
675	-122.362	37.71541	2050.02896	0	0	0	RS-700	0.557358
676	-122.362	37.71541	2064.72946	0	0	0	RS-700	0.630495
677	-122.362	37.71541	1967.40189	0	0	0	RS-700	0.146278
678	-122.362	37.71541	2005.91417	0	0	0	RS-700	0.337881
679	-122.362	37.7154	2031.61523	0	0	0	RS-700	0.465747
680	-122.362	37.7154	1971.60747	0	0	0	RS-700	0.167201
681	-122.362	37.7154	1914.57697	0	0	0	RS-700	-0.11653
682	-122.362	37.7154	1911.6744	0	0	0	RS-700	-0.13097
683	-122.362	37.7154	1901.69258	0	0	0	RS-700	-0.18063
684	-122.362	37.71539	1915.96552	0	0	0	RS-700	-0.10962
685	-122.362	37.71539	1854.7486	0	0	0	RS-700	-0.41419
686	-122.362	37.71539	1917.67904	0	0	0	RS-700	-0.1011
687	-122.362	37.71538	1942.78621	0	0	0	RS-700	0.023812
688	-122.362	37.71538	1924.77518	0	0	0	RS-700	-0.0658
689	-122.362	37.71538	1853.84311	0	0	0	RS-700	-0.41869
690	-122.362	37.71538	1854.46802	0	0	0	RS-700	-0.41558
691	-122.362	37.71538	1883.86744	0	0	0	RS-700	-0.26932
692	-122.362	37.71537	1954.00603	0	0	0	RS-700	0.079632
693	-122.362	37.71537	1889.85732	0	0	0	RS-700	-0.23952
694	-122.362	37.71537	1902.48646	0	0	0	RS-700	-0.17668
695	-122.362	37.71537	1847.56403	0	0	0	RS-700	-0.44993
696	-122.362	37.71537	1989.50169	0	0	0	RS-700	0.256227
697	-122.362	37.71536	1894.38176	0	0	0	RS-700	-0.21701
698	-122.362	37.71536	1964.81042	0	0	0	RS-700	0.133385
699	-122.362	37.71536	1867.56646	0	0	0	RS-700	-0.35042
700	-122.362	37.71536	1866.66332	0	0	0	RS-700	-0.35491
701	-122.362	37.71535	1848.37619	0	0	0	RS-700	-0.44589
702	-122.362	37.71535	1925.4901	0	0	0	RS-700	-0.06224
703	-122.362	37.71535	1978.98506	0	0	0	RS-700	0.203906
704	-122.362	37.71535	1904.29125	0	0	0	RS-700	-0.16771
705	-122.362	37.71534	1987.01024	0	0	0	RS-700	0.243832
706	-122.362	37.71534	1999.70636	0	0	0	RS-700	0.306997
707	-122.362	37.71534	1977.69567	0	0	0	RS-700	0.197491
708	-122.362	37.71534	2001.50834	0	0	0	RS-700	0.315962
709	-122.362	37.71533	2057.62529	0	0	0	RS-700	0.595151
710	-122.362	37.71533	1962.6954	0	0	0	RS-700	0.122863
711	-122.362	37.71533	2074.93509	0	0	0	RS-700	0.681269
712	-122.362	37.71533	1817.55218	0	0	0	RS-700	-0.59924
713	-122.362	37.71532	1890.66705	0	0	0	RS-700	-0.23549
714	-122.362	37.71532	1887.3936	0	0	0	RS-700	-0.25177
715	-122.362	37.71532	1905.67403	0	0	0	RS-700	-0.16083
716	-122.362	37.71532	1893.65992	0	0	0	RS-700	-0.2206
717	-122.362	37.71531	1873.66249	0	0	0	RS-700	-0.32009
718	-122.362	37.71531	1925.68303	0	0	0	RS-700	-0.06128
719	-122.362	37.71531	1859.66015	0	0	0	RS-700	-0.38975

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
720	-122.362	37.71531	1896.77064	0	0	0	RS-700	-0.20512
721	-122.362	37.7153	1858.84612	0	0	0	RS-700	-0.3938
722	-122.362	37.7153	1776.54331	0	0	0	RS-700	-0.80327
723	-122.362	37.7153	1887.56887	0	0	0	RS-700	-0.2509
724	-122.362	37.7153	1739.3536	0	0	0	RS-700	-0.98829
725	-122.362	37.71529	1880.4753	0	0	0	RS-700	-0.28619
726	-122.362	37.71529	1911.58439	0	0	0	RS-700	-0.13142
727	-122.362	37.71529	1859.74873	0	0	0	RS-700	-0.38931
728	-122.362	37.71529	1950.18004	0	0	0	RS-700	0.060597
729	-122.362	37.71529	1846.26738	0	0	0	RS-700	-0.45638
730	-122.362	37.71528	1858.56611	0	0	0	RS-700	-0.39519
731	-122.362	37.71528	1850.37128	0	0	0	RS-700	-0.43596
732	-122.362	37.71528	1905.19723	0	0	0	RS-700	-0.1632
733	-122.362	37.71527	1850.74561	0	0	0	RS-700	-0.4341
734	-122.362	37.71527	1878.40345	0	0	0	RS-700	-0.2965
735	-122.362	37.71527	1907.77412	0	0	0	RS-700	-0.15038
736	-122.362	37.71527	1893.76923	0	0	0	RS-700	-0.22005
737	-122.362	37.71526	1904.66868	0	0	0	RS-700	-0.16583
738	-122.362	37.71526	1950.49657	0	0	0	RS-700	0.062172
739	-122.362	37.71526	1860.65266	0	0	0	RS-700	-0.38481
740	-122.362	37.71526	1865.03246	0	0	0	RS-700	-0.36302
741	-122.362	37.71525	1861.03009	0	0	0	RS-700	-0.38293
742	-122.361	37.71525	1881.28596	0	0	0	RS-700	-0.28216
743	-122.361	37.71525	1883.5686	0	0	0	RS-700	-0.2708
744	-122.361	37.71525	1893.04519	0	0	0	RS-700	-0.22366
745	-122.361	37.71524	1838.27251	0	0	0	RS-700	-0.49616
746	-122.361	37.71524	1830.65106	0	0	0	RS-700	-0.53407
747	-122.361	37.71524	1832.96123	0	0	0	RS-700	-0.52258
748	-122.361	37.71524	1823.36636	0	0	0	RS-700	-0.57032
749	-122.361	37.71523	1886.75677	0	0	0	RS-700	-0.25494
750	-122.361	37.71523	1831.65241	0	0	0	RS-700	-0.52909
751	-122.361	37.71523	1721.61173	0	0	0	RS-700	-1.07656
752	-122.361	37.71522	1823.46048	0	0	0	RS-700	-0.56985
753	-122.361	37.71522	1792.63258	0	0	0	RS-700	-0.72322
754	-122.361	37.71522	1760.45406	0	0	0	RS-700	-0.88331
755	-122.361	37.71522	1815.82183	0	0	0	RS-700	-0.60785
756	-122.361	37.71521	1638.61546	0	0	0	RS-700	-1.48948
757	-122.361	37.71521	1431.14511	0	0	0	RS-700	-2.52167
758	-122.361	37.71521	1646.16114	0	0	0	RS-700	-1.45193
759	-122.361	37.71521	1740.69895	0	0	0	RS-700	-0.9816
760	-122.361	37.7152	1745.44179	0	0	0	RS-700	-0.958
761	-122.361	37.7152	1767.62096	0	0	0	RS-700	-0.84766
762	-122.361	37.7152	1829.92712	0	0	0	RS-700	-0.53768
763	-122.361	37.71519	1846.6495	0	0	0	RS-700	-0.45448
764	-122.361	37.71519	1922.57978	0	0	0	RS-700	-0.07672

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
765	-122.361	37.71519	1867.74772	0	0	0	RS-700	-0.34951
766	-122.361	37.71519	1940.87623	0	0	0	RS-700	0.01431
767	-122.361	37.71518	1816.74026	0	0	0	RS-700	-0.60328
768	-122.361	37.71518	1543.69221	0	0	0	RS-700	-1.96173
769	-122.361	37.71518	1284.37655	0	0	0	RS-700	-3.25186
770	-122.361	37.71518	1198.51413	0	0	0	RS-700	-3.67903
771	-122.361	37.71517	1217.33231	0	0	0	RS-700	-3.58541
772	-122.361	37.71517	1271.25837	0	0	0	RS-700	-3.31712
773	-122.361	37.71517	1464.60147	0	0	0	RS-700	-2.35522
774	-122.361	37.71516	1819.5413	0	0	0	RS-700	-0.58935
775	-122.361	37.71516	1892.2313	0	0	0	RS-700	-0.2277
776	-122.361	37.71516	1810.61235	0	0	0	RS-700	-0.63377
777	-122.361	37.71516	1732.62145	0	0	0	RS-700	-1.02178
778	-122.361	37.71515	1688.26698	0	0	0	RS-700	-1.24245
779	-122.361	37.71515	1744.35442	0	0	0	RS-700	-0.96341
780	-122.361	37.71515	1707.5141	0	0	0	RS-700	-1.1467
781	-122.361	37.71514	1879.75777	0	0	0	RS-700	-0.28976
782	-122.361	37.71514	1822.56047	0	0	0	RS-700	-0.57433
783	-122.361	37.71514	1795.34982	0	0	0	RS-700	-0.7097
784	-122.361	37.71514	1787.36361	0	0	0	RS-700	-0.74943
785	-122.361	37.71514	1803.63694	0	0	0	RS-700	-0.66847
786	-122.361	37.71514	1875.94068	0	0	0	RS-700	-0.30875
787	-122.361	37.71513	1850.84012	0	0	0	RS-700	-0.43363
788	-122.361	37.71513	1841.65388	0	0	0	RS-700	-0.47933
789	-122.361	37.71513	1957.88899	0	0	0	RS-700	0.09895
790	-122.361	37.71513	1971.60073	0	0	0	RS-700	0.167168
791	-122.361	37.71513	1924.67657	0	0	0	RS-700	-0.06629
792	-122.361	37.71513	2003.71332	0	0	0	RS-700	0.326932
793	-122.361	37.71513	2025.71888	0	0	0	RS-700	0.436412
794	-122.361	37.71512	1962.58937	0	0	0	RS-700	0.122335
795	-122.361	37.71512	1920.96551	0	0	0	RS-700	-0.08475
796	-122.361	37.71512	1919.06148	0	0	0	RS-700	-0.09422
797	-122.361	37.71512	1870.47203	0	0	0	RS-700	-0.33596
798	-122.361	37.71511	1956.69418	0	0	0	RS-700	0.093006
799	-122.361	37.71511	1994.51502	0	0	0	RS-700	0.281169
800	-122.361	37.71511	1978.80752	0	0	0	RS-700	0.203022
801	-122.361	37.71511	1981.89816	0	0	0	RS-700	0.218399
802	-122.361	37.7151	2007.01235	0	0	0	RS-700	0.343345
803	-122.361	37.7151	1900.05164	0	0	0	RS-700	-0.1888
804	-122.361	37.7151	2031.91896	0	0	0	RS-700	0.467259
805	-122.361	37.7151	2008.30423	0	0	0	RS-700	0.349772
806	-122.361	37.7151	1960.9909	0	0	0	RS-700	0.114383
807	-122.361	37.7151	1871.56626	0	0	0	RS-700	-0.33052
808	-122.361	37.7151	1918.58541	0	0	0	RS-700	-0.09659
809	-122.361	37.71509	1933.67431	0	0	0	RS-700	-0.02152

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
810	-122.361	37.71509	1865.06169	0	0	0	RS-700	-0.36288
811	-122.361	37.71509	1925.57848	0	0	0	RS-700	-0.0618
812	-122.361	37.71509	1907.67674	0	0	0	RS-700	-0.15086
813	-122.361	37.71508	1966.59837	0	0	0	RS-700	0.14228
814	-122.361	37.71508	1873.66556	0	0	0	RS-700	-0.32007
815	-122.361	37.71508	1994.90785	0	0	0	RS-700	0.283124
816	-122.361	37.71508	2000.80685	0	0	0	RS-700	0.312472
817	-122.361	37.71508	1969.28343	0	0	0	RS-700	0.155639
818	-122.361	37.71507	1970.89255	0	0	0	RS-700	0.163645
819	-122.361	37.71507	1999.003	0	0	0	RS-700	0.303498
820	-122.361	37.71507	1949.4008	0	0	0	RS-700	0.05672
821	-122.361	37.71507	1944.08522	0	0	0	RS-700	0.030275
822	-122.361	37.71506	1938.97603	0	0	0	RS-700	0.004856
823	-122.361	37.71506	1954.87652	0	0	0	RS-700	0.083963
824	-122.361	37.71506	1917.28946	0	0	0	RS-700	-0.10304
825	-122.361	37.71506	1947.99478	0	0	0	RS-700	0.049725
826	-122.361	37.71506	1941.29771	0	0	0	RS-700	0.016407
827	-122.361	37.71506	1953.69329	0	0	0	RS-700	0.078076
828	-122.361	37.71505	1974.91718	0	0	0	RS-700	0.183668
829	-122.361	37.71505	1945.59321	0	0	0	RS-700	0.037777
830	-122.361	37.71505	1863.22455	0	0	0	RS-700	-0.37202
831	-122.361	37.71505	1885.85575	0	0	0	RS-700	-0.25942
832	-122.361	37.71505	1927.58704	0	0	0	RS-700	-0.05181
833	-122.361	37.71504	1915.4871	0	0	0	RS-700	-0.112
834	-122.361	37.71504	1901.86436	0	0	0	RS-700	-0.17978
835	-122.361	37.71504	1869.5671	0	0	0	RS-700	-0.34046
836	-122.361	37.71504	2024.12332	0	0	0	RS-700	0.428474
837	-122.361	37.71504	2010.01084	0	0	0	RS-700	0.358263
838	-122.361	37.71504	1918.58412	0	0	0	RS-700	-0.0966
839	-122.361	37.71503	1992.50002	0	0	0	RS-700	0.271144
840	-122.361	37.71503	1895.47007	0	0	0	RS-700	-0.21159
841	-122.361	37.71503	1892.57385	0	0	0	RS-700	-0.226
842	-122.361	37.71503	1946.59285	0	0	0	RS-700	0.04275
843	-122.361	37.71502	1889.57353	0	0	0	RS-700	-0.24093
844	-122.361	37.71502	1898.05276	0	0	0	RS-700	-0.19874
845	-122.361	37.71502	1931.49294	0	0	0	RS-700	-0.03237
846	-122.361	37.71502	1966.78902	0	0	0	RS-700	0.143229
847	-122.361	37.71502	1945.49445	0	0	0	RS-700	0.037286
848	-122.361	37.71501	2061.1568	0	0	0	RS-700	0.61272
849	-122.361	37.71501	2045.41597	0	0	0	RS-700	0.534408
850	-122.361	37.71501	2006.61061	0	0	0	RS-700	0.341346
851	-122.361	37.71501	2040.92625	0	0	0	RS-700	0.512071
852	-122.361	37.715	1955.5955	0	0	0	RS-700	0.08754
853	-122.361	37.715	1903.38461	0	0	0	RS-700	-0.17222
854	-122.361	37.715	1944.30089	0	0	0	RS-700	0.031348

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
855	-122.361	37.715	1932.98743	0	0	0	RS-700	-0.02494
856	-122.361	37.71499	1912.34905	0	0	0	RS-700	-0.12762
857	-122.361	37.71499	1965.69066	0	0	0	RS-700	0.137764
858	-122.361	37.71499	1873.85365	0	0	0	RS-700	-0.31914
859	-122.361	37.71499	1952.87911	0	0	0	RS-700	0.074025
860	-122.361	37.71498	1920.77154	0	0	0	RS-700	-0.08571
861	-122.361	37.71498	1927.58625	0	0	0	RS-700	-0.05181
862	-122.361	37.71498	1828.46193	0	0	0	RS-700	-0.54497
863	-122.361	37.71498	1965.89098	0	0	0	RS-700	0.138761
864	-122.361	37.71498	1821.37118	0	0	0	RS-700	-0.58024
865	-122.361	37.71497	1771.83012	0	0	0	RS-700	-0.82672
866	-122.361	37.71497	1739.53954	0	0	0	RS-700	-0.98737
867	-122.361	37.71497	1744.62447	0	0	0	RS-700	-0.96207
868	-122.361	37.71497	1800.18514	0	0	0	RS-700	-0.68565
869	-122.361	37.71497	1878.75886	0	0	0	RS-700	-0.29473
870	-122.361	37.71497	1822.47206	0	0	0	RS-700	-0.57477
871	-122.361	37.71497	1787.87939	0	0	0	RS-700	-0.74687
872	-122.361	37.71497	1807.46736	0	0	0	RS-700	-0.64942
873	-122.361	37.71497	1812.82779	0	0	0	RS-700	-0.62275
874	-122.361	37.71497	1738.60703	0	0	0	RS-700	-0.992
875	-122.361	37.71496	1791.72358	0	0	0	RS-700	-0.72774
876	-122.361	37.71496	1759.54123	0	0	0	RS-700	-0.88785
877	-122.361	37.71496	1623.41171	0	0	0	RS-700	-1.56512
878	-122.361	37.71496	1321.5347	0	0	0	RS-700	-3.06699
879	-122.361	37.71496	1145.28835	0	0	0	RS-700	-3.94384
880	-122.361	37.71496	993.25166	0	0	0	RS-700	-4.70024
881	-122.361	37.71496	1058.2188	0	0	0	RS-700	-4.37702
882	-122.361	37.71495	1227.25503	0	0	0	RS-700	-3.53604
883	-122.361	37.71495	1564.40329	0	0	0	RS-700	-1.85869
884	-122.361	37.71495	1705.85173	0	0	0	RS-700	-1.15497
885	-122.361	37.71495	1734.18592	0	0	0	RS-700	-1.014
886	-122.361	37.71494	1884.66722	0	0	0	RS-700	-0.26534
887	-122.361	37.71494	1839.93059	0	0	0	RS-700	-0.48791
888	-122.361	37.71494	1838.92642	0	0	0	RS-700	-0.4929
889	-122.361	37.71494	1798.4614	0	0	0	RS-700	-0.69422
890	-122.361	37.71493	1922.50737	0	0	0	RS-700	-0.07708
891	-122.361	37.71493	1871.96594	0	0	0	RS-700	-0.32853
892	-122.361	37.71493	1890.85526	0	0	0	RS-700	-0.23455
893	-122.361	37.71493	1918.39356	0	0	0	RS-700	-0.09754
894	-122.361	37.71492	1880.38225	0	0	0	RS-700	-0.28666
895	-122.361	37.71492	1941.98212	0	0	0	RS-700	0.019812
896	-122.361	37.71492	1909.97197	0	0	0	RS-700	-0.13944
897	-122.361	37.71492	1937.58712	0	0	0	RS-700	-0.00205
898	-122.361	37.71492	1950.79418	0	0	0	RS-700	0.063653
899	-122.361	37.71492	1882.95472	0	0	0	RS-700	-0.27386

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
900	-122.361	37.71491	1829.46258	0	0	0	RS-700	-0.53999
901	-122.361	37.71491	1830.65017	0	0	0	RS-700	-0.53408
902	-122.361	37.71491	1986.60714	0	0	0	RS-700	0.241827
903	-122.361	37.71491	1845.37301	0	0	0	RS-700	-0.46083
904	-122.361	37.71491	1905.19487	0	0	0	RS-700	-0.16321
905	-122.361	37.7149	1960.08495	0	0	0	RS-700	0.109875
906	-122.361	37.7149	1895.48247	0	0	0	RS-700	-0.21153
907	-122.361	37.7149	1957.27813	0	0	0	RS-700	0.095911
908	-122.361	37.7149	1878.19453	0	0	0	RS-700	-0.29754
909	-122.361	37.71489	1926.06756	0	0	0	RS-700	-0.05937
910	-122.361	37.71489	1901.58304	0	0	0	RS-700	-0.18118
911	-122.361	37.71489	1839.47047	0	0	0	RS-700	-0.4902
912	-122.361	37.71489	1502.36837	0	0	0	RS-700	-2.16732
913	-122.361	37.71488	1272.47524	0	0	0	RS-700	-3.31107
914	-122.361	37.71488	1215.30111	0	0	0	RS-700	-3.59552
915	-122.361	37.71488	1159.0656	0	0	0	RS-700	-3.8753
916	-122.361	37.71488	1191.29866	0	0	0	RS-700	-3.71493
917	-122.361	37.71488	1200.3638	0	0	0	RS-700	-3.66983
918	-122.361	37.71487	1376.21308	0	0	0	RS-700	-2.79496
919	-122.361	37.71487	1817.56053	0	0	0	RS-700	-0.5992
920	-122.361	37.71487	1855.28452	0	0	0	RS-700	-0.41152
921	-122.361	37.71487	1839.37294	0	0	0	RS-700	-0.49068
922	-122.361	37.71486	1788.63033	0	0	0	RS-700	-0.74313
923	-122.361	37.71486	1615.65043	0	0	0	RS-700	-1.60373
924	-122.361	37.71486	1817.28292	0	0	0	RS-700	-0.60058
925	-122.361	37.71486	1878.28806	0	0	0	RS-700	-0.29707
926	-122.361	37.71485	1967.50135	0	0	0	RS-700	0.146773
927	-122.361	37.71485	1921.34903	0	0	0	RS-700	-0.08284
928	-122.361	37.71485	1995.92841	0	0	0	RS-700	0.288201
929	-122.361	37.71485	1934.68785	0	0	0	RS-700	-0.01648
930	-122.361	37.71485	2040.11567	0	0	0	RS-700	0.508038
931	-122.361	37.71484	1976.89812	0	0	0	RS-700	0.193523
932	-122.361	37.71484	1951.08158	0	0	0	RS-700	0.065082
933	-122.361	37.71484	1986.79734	0	0	0	RS-700	0.242773
934	-122.361	37.71484	1944.88931	0	0	0	RS-700	0.034275
935	-122.361	37.71484	1995.90601	0	0	0	RS-700	0.28809
936	-122.361	37.71484	2001.91236	0	0	0	RS-700	0.317972
937	-122.361	37.71484	1962.18402	0	0	0	RS-700	0.120319
938	-122.361	37.71484	2054.33922	0	0	0	RS-700	0.578802
939	-122.361	37.71484	1961.28605	0	0	0	RS-700	0.115851
940	-122.361	37.71484	1932.46476	0	0	0	RS-700	-0.02754
941	-122.361	37.71483	2001.20843	0	0	0	RS-700	0.31447
942	-122.361	37.71483	1984.80196	0	0	0	RS-700	0.232846
943	-122.361	37.71483	1976.40222	0	0	0	RS-700	0.191056
944	-122.361	37.71482	1981.74378	0	0	0	RS-700	0.217631

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
945	-122.361	37.71482	1894.67116	0	0	0	RS-700	-0.21557
946	-122.361	37.71482	2047.92164	0	0	0	RS-700	0.546874
947	-122.361	37.71482	2019.69945	0	0	0	RS-700	0.406465
948	-122.361	37.71482	1957.5099	0	0	0	RS-700	0.097064
949	-122.361	37.71481	2001.5202	0	0	0	RS-700	0.316021
950	-122.361	37.71481	2028.09237	0	0	0	RS-700	0.448221
951	-122.361	37.71481	2001.2186	0	0	0	RS-700	0.31452
952	-122.361	37.71481	1946.49741	0	0	0	RS-700	0.042276
953	-122.361	37.7148	1946.07172	0	0	0	RS-700	0.040158
954	-122.361	37.7148	1961.70055	0	0	0	RS-700	0.117913
955	-122.361	37.7148	2010.12677	0	0	0	RS-700	0.35884
956	-122.361	37.7148	1972.8069	0	0	0	RS-700	0.173169
957	-122.361	37.71479	1905.77058	0	0	0	RS-700	-0.16035
958	-122.361	37.71479	1873.66659	0	0	0	RS-700	-0.32007
959	-122.361	37.71479	1868.94072	0	0	0	RS-700	-0.34358
960	-122.361	37.71479	1889.86407	0	0	0	RS-700	-0.23948
961	-122.361	37.71478	1941.59692	0	0	0	RS-700	0.017895
962	-122.361	37.71478	1936.17001	0	0	0	RS-700	-0.0091
963	-122.361	37.71478	1979.50568	0	0	0	RS-700	0.206496
964	-122.361	37.71478	1828.3456	0	0	0	RS-700	-0.54554
965	-122.361	37.71477	1816.91109	0	0	0	RS-700	-0.60243
966	-122.361	37.71477	1847.84228	0	0	0	RS-700	-0.44855
967	-122.361	37.71477	1949.80356	0	0	0	RS-700	0.058724
968	-122.361	37.71477	1881.84702	0	0	0	RS-700	-0.27937
969	-122.361	37.71476	1855.66039	0	0	0	RS-700	-0.40965
970	-122.361	37.71476	1869.84253	0	0	0	RS-700	-0.33909
971	-122.361	37.71476	1867.47206	0	0	0	RS-700	-0.35089
972	-122.361	37.71476	1876.56108	0	0	0	RS-700	-0.30567
973	-122.361	37.71475	1884.84918	0	0	0	RS-700	-0.26443
974	-122.361	37.71475	1918.3908	0	0	0	RS-700	-0.09756
975	-122.361	37.71475	1889.67038	0	0	0	RS-700	-0.24045
976	-122.361	37.71475	1941.39986	0	0	0	RS-700	0.016915
977	-122.361	37.71474	1970.30375	0	0	0	RS-700	0.160715
978	-122.361	37.71474	1966.59752	0	0	0	RS-700	0.142276
979	-122.361	37.71474	1773.45415	0	0	0	RS-700	-0.81864
980	-122.361	37.71474	1755.25141	0	0	0	RS-700	-0.9092
981	-122.361	37.71473	1872.53394	0	0	0	RS-700	-0.3257
982	-122.361	37.71473	1961.78669	0	0	0	RS-700	0.118342
983	-122.361	37.71473	2061.14433	0	0	0	RS-700	0.612658
984	-122.361	37.71473	1903.67004	0	0	0	RS-700	-0.1708
985	-122.361	37.71472	1922.06256	0	0	0	RS-700	-0.07929
986	-122.361	37.71472	2034.03148	0	0	0	RS-700	0.477769
987	-122.361	37.71472	2011.51258	0	0	0	RS-700	0.365734
988	-122.361	37.71472	1902.8912	0	0	0	RS-700	-0.17467
989	-122.361	37.71471	2009.79788	0	0	0	RS-700	0.357203



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
990	-122.361	37.71471	1990.30035	0	0	0	RS-700	0.260201
991	-122.361	37.71471	1963.49959	0	0	0	RS-700	0.126864
992	-122.361	37.71471	2058.72221	0	0	0	RS-700	0.600608
993	-122.361	37.71471	1935.87438	0	0	0	RS-700	-0.01058
994	-122.361	37.7147	1937.59247	0	0	0	RS-700	-0.00203
995	-122.361	37.7147	1927.70951	0	0	0	RS-700	-0.0512
996	-122.361	37.7147	1954.98744	0	0	0	RS-700	0.084515
997	-122.361	37.7147	1926.38006	0	0	0	RS-700	-0.05781
998	-122.361	37.71469	1902.7682	0	0	0	RS-700	-0.17528
999	-122.361	37.71469	1979.59028	0	0	0	RS-700	0.206917
1000	-122.361	37.71469	1890.48531	0	0	0	RS-700	-0.23639
1001	-122.361	37.71469	1871.66316	0	0	0	RS-700	-0.33003
1002	-122.361	37.71468	1977.98912	0	0	0	RS-700	0.198951
1003	-122.361	37.71468	2041.83638	0	0	0	RS-700	0.516599
1004	-122.361	37.71468	1910.38966	0	0	0	RS-700	-0.13736
1005	-122.361	37.71468	1997.00455	0	0	0	RS-700	0.293555
1006	-122.361	37.71467	1952.20092	0	0	0	RS-700	0.070651
1007	-122.361	37.71467	1918.4839	0	0	0	RS-700	-0.0971
1008	-122.361	37.71467	1997.72466	0	0	0	RS-700	0.297138
1009	-122.361	37.71467	1948.07945	0	0	0	RS-700	0.050147
1010	-122.36	37.71467	1934.7815	0	0	0	RS-700	-0.01601
1011	-122.36	37.71466	1927.58607	0	0	0	RS-700	-0.05181
1012	-122.36	37.71466	1961.30103	0	0	0	RS-700	0.115926
1013	-122.36	37.71466	1896.74061	0	0	0	RS-700	-0.20527
1014	-122.36	37.71466	1937.49328	0	0	0	RS-700	-0.00252
1015	-122.36	37.71465	1937.87697	0	0	0	RS-700	-0.00061
1016	-122.36	37.71465	1933.06658	0	0	0	RS-700	-0.02454
1017	-122.36	37.71465	1978.5969	0	0	0	RS-700	0.201975
1018	-122.36	37.71465	1940.59553	0	0	0	RS-700	0.012913
1019	-122.36	37.71464	1930.16763	0	0	0	RS-700	-0.03897
1020	-122.36	37.71464	1922.48664	0	0	0	RS-700	-0.07718
1021	-122.36	37.71464	1950.59805	0	0	0	RS-700	0.062677
1022	-122.36	37.71464	1938.50092	0	0	0	RS-700	0.002492
1023	-122.36	37.71463	1922.77514	0	0	0	RS-700	-0.07575
1024	-122.36	37.71463	1942.29656	0	0	0	RS-700	0.021376
1025	-122.36	37.71463	1934.97283	0	0	0	RS-700	-0.01506
1026	-122.36	37.71463	1951.88992	0	0	0	RS-700	0.069104
1027	-122.36	37.71462	2002.60739	0	0	0	RS-700	0.32143
1028	-122.36	37.71462	1986.50611	0	0	0	RS-700	0.241324
1029	-122.36	37.71462	1985.80374	0	0	0	RS-700	0.23783
1030	-122.36	37.71462	1922.58393	0	0	0	RS-700	-0.0767
1031	-122.36	37.71462	1863.48202	0	0	0	RS-700	-0.37074
1032	-122.36	37.71461	1930.97355	0	0	0	RS-700	-0.03496
1033	-122.36	37.71461	1916.5827	0	0	0	RS-700	-0.10655
1034	-122.36	37.71461	1876.28981	0	0	0	RS-700	-0.30702

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1035	-122.36	37.7146	1960.99134	0	0	0	RS-700	0.114385
1036	-122.36	37.7146	1901.57703	0	0	0	RS-700	-0.18121
1037	-122.36	37.7146	1932.4912	0	0	0	RS-700	-0.02741
1038	-122.36	37.7146	1872.56516	0	0	0	RS-700	-0.32555
1039	-122.36	37.71459	1848.84388	0	0	0	RS-700	-0.44356
1040	-122.36	37.71459	1893.95321	0	0	0	RS-700	-0.21914
1041	-122.36	37.71459	1808.54854	0	0	0	RS-700	-0.64404
1042	-122.36	37.71459	1802.90819	0	0	0	RS-700	-0.6721
1043	-122.36	37.71458	1854.63719	0	0	0	RS-700	-0.41474
1044	-122.36	37.71458	1874.66182	0	0	0	RS-700	-0.31512
1045	-122.36	37.71458	1963.90707	0	0	0	RS-700	0.128891
1046	-122.36	37.71458	1899.23809	0	0	0	RS-700	-0.19285
1047	-122.36	37.71457	1836.74099	0	0	0	RS-700	-0.50378
1048	-122.36	37.71457	1941.30185	0	0	0	RS-700	0.016427
1049	-122.36	37.71457	1865.28591	0	0	0	RS-700	-0.36176
1050	-122.36	37.71457	1884.5732	0	0	0	RS-700	-0.2658
1051	-122.36	37.71457	1895.67266	0	0	0	RS-700	-0.21058
1052	-122.36	37.71456	2003.81035	0	0	0	RS-700	0.327415
1053	-122.36	37.71456	1950.7871	0	0	0	RS-700	0.063617
1054	-122.36	37.71456	1907.86529	0	0	0	RS-700	-0.14992
1055	-122.36	37.71456	1888.76271	0	0	0	RS-700	-0.24496
1056	-122.36	37.71456	1904.5936	0	0	0	RS-700	-0.1662
1057	-122.36	37.71455	1855.3773	0	0	0	RS-700	-0.41106
1058	-122.36	37.71455	1945.49401	0	0	0	RS-700	0.037284
1059	-122.36	37.71455	1872.14185	0	0	0	RS-700	-0.32765
1060	-122.36	37.71455	1930.1998	0	0	0	RS-700	-0.03881
1061	-122.36	37.71455	1890.66736	0	0	0	RS-700	-0.23549
1062	-122.36	37.71455	1889.67456	0	0	0	RS-700	-0.24043
1063	-122.36	37.71455	1841.63015	0	0	0	RS-700	-0.47945
1064	-122.36	37.71455	1925.68349	0	0	0	RS-700	-0.06128
1065	-122.36	37.71455	1904.48392	0	0	0	RS-700	-0.16675
1066	-122.36	37.71455	1903.96028	0	0	0	RS-700	-0.16935
1067	-122.36	37.71454	1849.74463	0	0	0	RS-700	-0.43908
1068	-122.36	37.71454	1854.65495	0	0	0	RS-700	-0.41465
1069	-122.36	37.71454	1865.38786	0	0	0	RS-700	-0.36125
1070	-122.36	37.71454	1913.29072	0	0	0	RS-700	-0.12293
1071	-122.36	37.71453	1984.48925	0	0	0	RS-700	0.23129
1072	-122.36	37.71453	1892.85533	0	0	0	RS-700	-0.2246
1073	-122.36	37.71453	1931.07054	0	0	0	RS-700	-0.03447
1074	-122.36	37.71453	1906.79279	0	0	0	RS-700	-0.15526
1075	-122.36	37.71453	1936.16801	0	0	0	RS-700	-0.00911
1076	-122.36	37.71452	1833.01894	0	0	0	RS-700	-0.52229
1077	-122.36	37.71452	1867.56298	0	0	0	RS-700	-0.35043
1078	-122.36	37.71452	1873.75662	0	0	0	RS-700	-0.31962
1079	-122.36	37.71452	1867.66065	0	0	0	RS-700	-0.34995

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1080	-122.36	37.71451	1880.85067	0	0	0	RS-700	-0.28433
1081	-122.36	37.71451	1830.91916	0	0	0	RS-700	-0.53274
1082	-122.36	37.71451	1907.86795	0	0	0	RS-700	-0.14991
1083	-122.36	37.71451	1844.46984	0	0	0	RS-700	-0.46532
1084	-122.36	37.7145	1854.74955	0	0	0	RS-700	-0.41418
1085	-122.36	37.7145	1864.57681	0	0	0	RS-700	-0.36529
1086	-122.36	37.7145	1935.40076	0	0	0	RS-700	-0.01293
1087	-122.36	37.7145	1896.33108	0	0	0	RS-700	-0.20731
1088	-122.36	37.71449	1912.77923	0	0	0	RS-700	-0.12548
1089	-122.36	37.71449	1883.94192	0	0	0	RS-700	-0.26895
1090	-122.36	37.71449	1822.92698	0	0	0	RS-700	-0.5725
1091	-122.36	37.71449	1901.86458	0	0	0	RS-700	-0.17978
1092	-122.36	37.71448	1889.23764	0	0	0	RS-700	-0.2426
1093	-122.36	37.71448	1897.02619	0	0	0	RS-700	-0.20385
1094	-122.36	37.71448	1765.80296	0	0	0	RS-700	-0.8567
1095	-122.36	37.71448	1860.03125	0	0	0	RS-700	-0.3879
1096	-122.36	37.71448	1814.19246	0	0	0	RS-700	-0.61596
1097	-122.36	37.71447	1949.59405	0	0	0	RS-700	0.057682
1098	-122.36	37.71447	1832.65092	0	0	0	RS-700	-0.52412
1099	-122.36	37.71447	1899.19531	0	0	0	RS-700	-0.19306
1100	-122.36	37.71447	1852.83464	0	0	0	RS-700	-0.42371
1101	-122.36	37.71446	1881.94672	0	0	0	RS-700	-0.27887
1102	-122.36	37.71446	1778.71565	0	0	0	RS-700	-0.79246
1103	-122.36	37.71446	1772.69968	0	0	0	RS-700	-0.82239
1104	-122.36	37.71446	1830.27499	0	0	0	RS-700	-0.53595
1105	-122.36	37.71445	1913.77229	0	0	0	RS-700	-0.12054
1106	-122.36	37.71445	1769.8897	0	0	0	RS-700	-0.83637
1107	-122.36	37.71445	1812.46083	0	0	0	RS-700	-0.62457
1108	-122.36	37.71445	1740.4421	0	0	0	RS-700	-0.98288
1109	-122.36	37.71444	1812.82247	0	0	0	RS-700	-0.62277
1110	-122.36	37.71444	1908.39029	0	0	0	RS-700	-0.14731
1111	-122.36	37.71444	1846.56301	0	0	0	RS-700	-0.45491
1112	-122.36	37.71444	1773.53772	0	0	0	RS-700	-0.81822
1113	-122.36	37.71443	1883.6714	0	0	0	RS-700	-0.27029
1114	-122.36	37.71443	1836.10998	0	0	0	RS-700	-0.50692
1115	-122.36	37.71443	1794.54444	0	0	0	RS-700	-0.71371
1116	-122.36	37.71443	1802.62924	0	0	0	RS-700	-0.67349
1117	-122.36	37.71443	1771.5314	0	0	0	RS-700	-0.8282
1118	-122.36	37.71442	1796.09364	0	0	0	RS-700	-0.706
1119	-122.36	37.71442	1811.27886	0	0	0	RS-700	-0.63045
1120	-122.36	37.71442	1786.5462	0	0	0	RS-700	-0.7535
1121	-122.36	37.71442	1810.37113	0	0	0	RS-700	-0.63497
1122	-122.36	37.71441	1757.80079	0	0	0	RS-700	-0.89651
1123	-122.36	37.71441	1710.85909	0	0	0	RS-700	-1.13005
1124	-122.36	37.71441	1708.3683	0	0	0	RS-700	-1.14245

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1125	-122.36	37.71441	1803.35743	0	0	0	RS-700	-0.66986
1126	-122.36	37.71441	1749.18175	0	0	0	RS-700	-0.93939
1127	-122.36	37.7144	1783.80528	0	0	0	RS-700	-0.76714
1128	-122.36	37.7144	1847.47051	0	0	0	RS-700	-0.4504
1129	-122.36	37.7144	1797.45638	0	0	0	RS-700	-0.69922
1130	-122.36	37.7144	1811.46028	0	0	0	RS-700	-0.62955
1131	-122.36	37.7144	1837.37387	0	0	0	RS-700	-0.50063
1132	-122.36	37.7144	1766.36118	0	0	0	RS-700	-0.85392
1133	-122.36	37.7144	1799.54515	0	0	0	RS-700	-0.68883
1134	-122.36	37.7144	1823.28088	0	0	0	RS-700	-0.57074
1135	-122.36	37.7144	1830.55952	0	0	0	RS-700	-0.53453
1136	-122.36	37.7144	1863.66013	0	0	0	RS-700	-0.36985
1137	-122.36	37.7144	1872.56904	0	0	0	RS-700	-0.32553
1138	-122.36	37.71441	1813.28123	0	0	0	RS-700	-0.62049
1139	-122.36	37.71441	1855.64045	0	0	0	RS-700	-0.40975
1140	-122.36	37.71441	1888.58389	0	0	0	RS-700	-0.24585
1141	-122.36	37.71441	1835.64904	0	0	0	RS-700	-0.50921
1142	-122.36	37.71441	1794.80986	0	0	0	RS-700	-0.71239
1143	-122.36	37.71442	1886.14665	0	0	0	RS-700	-0.25798
1144	-122.36	37.71442	1763.45927	0	0	0	RS-700	-0.86836
1145	-122.36	37.71442	1811.27274	0	0	0	RS-700	-0.63048
1146	-122.36	37.71442	1825.52668	0	0	0	RS-700	-0.55957
1147	-122.36	37.71442	1826.55352	0	0	0	RS-700	-0.55446
1148	-122.36	37.71442	1860.65836	0	0	0	RS-700	-0.38478
1149	-122.36	37.71442	1800.45641	0	0	0	RS-700	-0.6843
1150	-122.36	37.71442	1787.45565	0	0	0	RS-700	-0.74898
1151	-122.36	37.71442	1923.77598	0	0	0	RS-700	-0.07077
1152	-122.36	37.71442	1829.10292	0	0	0	RS-700	-0.54178
1153	-122.36	37.71442	1810.46314	0	0	0	RS-700	-0.63451
1154	-122.36	37.71442	1778.27771	0	0	0	RS-700	-0.79464
1155	-122.36	37.71443	1752.53416	0	0	0	RS-700	-0.92272
1156	-122.36	37.71443	1758.8063	0	0	0	RS-700	-0.89151
1157	-122.36	37.71443	1763.54465	0	0	0	RS-700	-0.86794
1158	-122.36	37.71443	1807.55081	0	0	0	RS-700	-0.649
1159	-122.36	37.71443	1796.63772	0	0	0	RS-700	-0.70329
1160	-122.36	37.71443	1763.15502	0	0	0	RS-700	-0.86988
1161	-122.36	37.71444	1836.55797	0	0	0	RS-700	-0.50469
1162	-122.36	37.71444	1883.84192	0	0	0	RS-700	-0.26944
1163	-122.36	37.71444	1805.46287	0	0	0	RS-700	-0.65939
1164	-122.36	37.71444	1834.46192	0	0	0	RS-700	-0.51511
1165	-122.36	37.71444	1906.29358	0	0	0	RS-700	-0.15774
1166	-122.36	37.71445	1876.46693	0	0	0	RS-700	-0.30613
1167	-122.36	37.71445	1839.46649	0	0	0	RS-700	-0.49022
1168	-122.36	37.71445	1774.71768	0	0	0	RS-700	-0.81235
1169	-122.36	37.71445	1768.62782	0	0	0	RS-700	-0.84265

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1170	-122.36	37.71446	1865.28802	0	0	0	RS-700	-0.36175
1171	-122.36	37.71446	1820.64542	0	0	0	RS-700	-0.58385
1172	-122.36	37.71446	1789.27479	0	0	0	RS-700	-0.73993
1173	-122.36	37.71446	1752.44974	0	0	0	RS-700	-0.92314
1174	-122.36	37.71446	1824.55198	0	0	0	RS-700	-0.56442
1175	-122.36	37.71445	1799.45519	0	0	0	RS-700	-0.68928
1176	-122.36	37.71445	1799.18603	0	0	0	RS-700	-0.69062
1177	-122.36	37.71444	1783.7198	0	0	0	RS-700	-0.76756
1178	-122.36	37.71444	1890.76483	0	0	0	RS-700	-0.235
1179	-122.36	37.71443	1794.45333	0	0	0	RS-700	-0.71416
1180	-122.36	37.71443	1925.39231	0	0	0	RS-700	-0.06272
1181	-122.36	37.71442	1888.67042	0	0	0	RS-700	-0.24542
1182	-122.36	37.71442	1785.36302	0	0	0	RS-700	-0.75939
1183	-122.36	37.71442	1748.70887	0	0	0	RS-700	-0.94175
1184	-122.36	37.71441	1763.53591	0	0	0	RS-700	-0.86798
1185	-122.36	37.71441	1800.46016	0	0	0	RS-700	-0.68428
1186	-122.36	37.71442	1693.6816	0	0	0	RS-700	-1.21551
1187	-122.36	37.71442	1830.46654	0	0	0	RS-700	-0.53499
1188	-122.36	37.71442	1796.18037	0	0	0	RS-700	-0.70557
1189	-122.36	37.71443	1791.90421	0	0	0	RS-700	-0.72684
1190	-122.36	37.71443	1870.68071	0	0	0	RS-700	-0.33492
1191	-122.36	37.71443	1881.95441	0	0	0	RS-700	-0.27883
1192	-122.36	37.71443	1840.28532	0	0	0	RS-700	-0.48614
1193	-122.36	37.71444	1768.34828	0	0	0	RS-700	-0.84404
1194	-122.36	37.71444	1846.93513	0	0	0	RS-700	-0.45306
1195	-122.36	37.71444	1836.56265	0	0	0	RS-700	-0.50466
1196	-122.36	37.71445	1821.01771	0	0	0	RS-700	-0.582
1197	-122.36	37.71445	1840.0136	0	0	0	RS-700	-0.48749
1198	-122.36	37.71445	1826.3715	0	0	0	RS-700	-0.55537
1199	-122.36	37.71445	1775.27168	0	0	0	RS-700	-0.80959
1200	-122.36	37.71446	1939.67727	0	0	0	RS-700	0.008345
1201	-122.36	37.71446	1867.84934	0	0	0	RS-700	-0.34901
1202	-122.36	37.71446	1884.66503	0	0	0	RS-700	-0.26535
1203	-122.36	37.71446	1814.00228	0	0	0	RS-700	-0.6169
1204	-122.36	37.71447	1872.37749	0	0	0	RS-700	-0.32648
1205	-122.36	37.71447	1961.78762	0	0	0	RS-700	0.118346
1206	-122.36	37.71447	1885.38667	0	0	0	RS-700	-0.26176
1207	-122.36	37.71448	1905.86597	0	0	0	RS-700	-0.15987
1208	-122.36	37.71448	1858.75289	0	0	0	RS-700	-0.39426
1209	-122.36	37.71448	1877.94603	0	0	0	RS-700	-0.29878
1210	-122.36	37.71448	1825.37568	0	0	0	RS-700	-0.56032
1211	-122.36	37.71448	1841.65328	0	0	0	RS-700	-0.47934
1212	-122.36	37.71449	1866.7497	0	0	0	RS-700	-0.35448
1213	-122.36	37.71449	1884.85083	0	0	0	RS-700	-0.26442
1214	-122.36	37.71449	1870.41933	0	0	0	RS-700	-0.33622

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1215	-122.36	37.71449	1868.66448	0	0	0	RS-700	-0.34495
1216	-122.36	37.7145	1858.65506	0	0	0	RS-700	-0.39475
1217	-122.36	37.7145	1882.04151	0	0	0	RS-700	-0.2784
1218	-122.36	37.7145	1912.48549	0	0	0	RS-700	-0.12694
1219	-122.36	37.7145	1984.00016	0	0	0	RS-700	0.228857
1220	-122.36	37.71451	1938.89548	0	0	0	RS-700	0.004455
1221	-122.36	37.71451	1882.29015	0	0	0	RS-700	-0.27716
1222	-122.36	37.71451	1891.04791	0	0	0	RS-700	-0.23359
1223	-122.36	37.71451	1883.2311	0	0	0	RS-700	-0.27248
1224	-122.36	37.71452	1874.47427	0	0	0	RS-700	-0.31605
1225	-122.36	37.71452	1865.47767	0	0	0	RS-700	-0.36081
1226	-122.36	37.71452	1860.38826	0	0	0	RS-700	-0.38613
1227	-122.36	37.71453	1809.63841	0	0	0	RS-700	-0.63861
1228	-122.36	37.71453	1832.37462	0	0	0	RS-700	-0.5255
1229	-122.36	37.71453	1884.57184	0	0	0	RS-700	-0.26581
1230	-122.36	37.71453	1823.46162	0	0	0	RS-700	-0.56984
1231	-122.36	37.71454	1883.28878	0	0	0	RS-700	-0.2722
1232	-122.36	37.71454	1802.27214	0	0	0	RS-700	-0.67526
1233	-122.36	37.71454	1872.85165	0	0	0	RS-700	-0.32412
1234	-122.36	37.71454	1939.68828	0	0	0	RS-700	0.008399
1235	-122.36	37.71455	1897.86469	0	0	0	RS-700	-0.19968
1236	-122.36	37.71455	1829.104	0	0	0	RS-700	-0.54177
1237	-122.36	37.71455	1877.85196	0	0	0	RS-700	-0.29924
1238	-122.36	37.71455	1819.37115	0	0	0	RS-700	-0.59019
1239	-122.36	37.71456	1808.63707	0	0	0	RS-700	-0.6436
1240	-122.36	37.71456	1928.97806	0	0	0	RS-700	-0.04489
1241	-122.36	37.71456	1879.0543	0	0	0	RS-700	-0.29326
1242	-122.36	37.71456	1885.29176	0	0	0	RS-700	-0.26223
1243	-122.36	37.71457	1903.1492	0	0	0	RS-700	-0.17339
1244	-122.36	37.71457	1924.87721	0	0	0	RS-700	-0.06529
1245	-122.36	37.71457	2031.83441	0	0	0	RS-700	0.466838
1246	-122.36	37.71458	1997.70672	0	0	0	RS-700	0.297048
1247	-122.36	37.71458	1951.59493	0	0	0	RS-700	0.067636
1248	-122.36	37.71458	1874.56934	0	0	0	RS-700	-0.31558
1249	-122.36	37.71458	1916.06129	0	0	0	RS-700	-0.10915
1250	-122.36	37.71459	1927.49324	0	0	0	RS-700	-0.05227
1251	-122.36	37.71459	1871.37407	0	0	0	RS-700	-0.33147
1252	-122.36	37.71459	1825.91279	0	0	0	RS-700	-0.55765
1253	-122.36	37.71459	1820.64587	0	0	0	RS-700	-0.58385
1254	-122.36	37.7146	1552.61412	0	0	0	RS-700	-1.91734
1255	-122.36	37.7146	1521.25151	0	0	0	RS-700	-2.07338
1256	-122.36	37.7146	1542.34678	0	0	0	RS-700	-1.96842
1257	-122.36	37.7146	1511.64067	0	0	0	RS-700	-2.12119
1258	-122.36	37.7146	1698.58722	0	0	0	RS-700	-1.19111
1259	-122.36	37.7146	1890.764	0	0	0	RS-700	-0.235

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1260	-122.36	37.71461	1884.77645	0	0	0	RS-700	-0.26479
1261	-122.36	37.71461	1866.56823	0	0	0	RS-700	-0.35538
1262	-122.36	37.71461	1901.57971	0	0	0	RS-700	-0.1812
1263	-122.36	37.71461	1885.10005	0	0	0	RS-700	-0.26318
1264	-122.36	37.71462	1920.87526	0	0	0	RS-700	-0.0852
1265	-122.36	37.71462	1838.00465	0	0	0	RS-700	-0.49749
1266	-122.36	37.71462	1899.95438	0	0	0	RS-700	-0.18928
1267	-122.36	37.71462	1868.66521	0	0	0	RS-700	-0.34495
1268	-122.36	37.71462	1867.0091	0	0	0	RS-700	-0.35319
1269	-122.36	37.71463	1904.96971	0	0	0	RS-700	-0.16433
1270	-122.36	37.71463	1953.3997	0	0	0	RS-700	0.076615
1271	-122.36	37.71463	1887.77392	0	0	0	RS-700	-0.24988
1272	-122.36	37.71463	1954.39877	0	0	0	RS-700	0.081586
1273	-122.36	37.71464	1876.38173	0	0	0	RS-700	-0.30656
1274	-122.36	37.71464	1858.02751	0	0	0	RS-700	-0.39787
1275	-122.36	37.71464	1859.93272	0	0	0	RS-700	-0.38839
1276	-122.36	37.71464	1911.39155	0	0	0	RS-700	-0.13238
1277	-122.36	37.71465	1897.95184	0	0	0	RS-700	-0.19924
1278	-122.36	37.71465	1837.54944	0	0	0	RS-700	-0.49975
1279	-122.36	37.71465	1893.76243	0	0	0	RS-700	-0.22009
1280	-122.36	37.71465	1905.78947	0	0	0	RS-700	-0.16025
1281	-122.36	37.71465	1785.54271	0	0	0	RS-700	-0.75849
1282	-122.36	37.71465	1917.19428	0	0	0	RS-700	-0.10351
1283	-122.36	37.71466	1977.59563	0	0	0	RS-700	0.196993
1284	-122.36	37.71466	1936.29862	0	0	0	RS-700	-0.00846
1285	-122.36	37.71466	1919.86837	0	0	0	RS-700	-0.09021
1286	-122.36	37.71466	1885.65714	0	0	0	RS-700	-0.26041
1287	-122.36	37.71467	1922.86773	0	0	0	RS-700	-0.07528
1288	-122.36	37.71467	1946.49071	0	0	0	RS-700	0.042242
1289	-122.36	37.71467	1930.49114	0	0	0	RS-700	-0.03736
1290	-122.36	37.71467	1961.37744	0	0	0	RS-700	0.116306
1291	-122.36	37.71467	1974.69957	0	0	0	RS-700	0.182585
1292	-122.36	37.71468	1871.75957	0	0	0	RS-700	-0.32955
1293	-122.36	37.71468	1996.80986	0	0	0	RS-700	0.292586
1294	-122.36	37.71468	1916.76969	0	0	0	RS-700	-0.10562
1295	-122.361	37.71468	1922.58053	0	0	0	RS-700	-0.07671
1296	-122.361	37.71469	1916.48599	0	0	0	RS-700	-0.10703
1297	-122.361	37.71469	2019.41992	0	0	0	RS-700	0.405074
1298	-122.361	37.71469	1913.7588	0	0	0	RS-700	-0.1206
1299	-122.361	37.71469	1898.76413	0	0	0	RS-700	-0.1952
1300	-122.361	37.71469	1932.89813	0	0	0	RS-700	-0.02538
1301	-122.361	37.7147	1926.87241	0	0	0	RS-700	-0.05536
1302	-122.361	37.7147	1911.38981	0	0	0	RS-700	-0.13239
1303	-122.361	37.7147	1937.88018	0	0	0	RS-700	-0.0006
1304	-122.361	37.71471	1873.95816	0	0	0	RS-700	-0.31862

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1305	-122.361	37.71471	1911.7767	0	0	0	RS-700	-0.13046
1306	-122.361	37.71471	1912.87093	0	0	0	RS-700	-0.12502
1307	-122.361	37.71471	1890.38321	0	0	0	RS-700	-0.2369
1308	-122.361	37.71472	1864.66138	0	0	0	RS-700	-0.36487
1309	-122.361	37.71472	1880.47364	0	0	0	RS-700	-0.2862
1310	-122.361	37.71472	1924.9694	0	0	0	RS-700	-0.06483
1311	-122.361	37.71472	1907.58397	0	0	0	RS-700	-0.15132
1312	-122.361	37.71472	1914.77453	0	0	0	RS-700	-0.11555
1313	-122.361	37.71473	1946.49467	0	0	0	RS-700	0.042262
1314	-122.361	37.71473	1935.59933	0	0	0	RS-700	-0.01194
1315	-122.361	37.71473	1948.29994	0	0	0	RS-700	0.051243
1316	-122.361	37.71473	2027.25395	0	0	0	RS-700	0.44405
1317	-122.361	37.71474	1900.291	0	0	0	RS-700	-0.18761
1318	-122.361	37.71474	2026.7213	0	0	0	RS-700	0.4414
1319	-122.361	37.71474	2019.4109	0	0	0	RS-700	0.405029
1320	-122.361	37.71474	1973.99646	0	0	0	RS-700	0.179087
1321	-122.361	37.71475	1962.20148	0	0	0	RS-700	0.120405
1322	-122.361	37.71475	1921.58521	0	0	0	RS-700	-0.08167
1323	-122.361	37.71475	1959.6898	0	0	0	RS-700	0.107909
1324	-122.361	37.71475	1837.85042	0	0	0	RS-700	-0.49826
1325	-122.361	37.71475	1939.88512	0	0	0	RS-700	0.009379
1326	-122.361	37.71476	1915.48727	0	0	0	RS-700	-0.112
1327	-122.361	37.71476	1900.67192	0	0	0	RS-700	-0.18571
1328	-122.361	37.71476	1854.56474	0	0	0	RS-700	-0.4151
1329	-122.361	37.71476	1822.83018	0	0	0	RS-700	-0.57298
1330	-122.361	37.71477	1866.28693	0	0	0	RS-700	-0.35678
1331	-122.361	37.71477	1879.48327	0	0	0	RS-700	-0.29113
1332	-122.361	37.71477	1926.48968	0	0	0	RS-700	-0.05727
1333	-122.361	37.71477	1920.77559	0	0	0	RS-700	-0.08569
1334	-122.361	37.71478	1904.8592	0	0	0	RS-700	-0.16488
1335	-122.361	37.71478	1937.48542	0	0	0	RS-700	-0.00256
1336	-122.361	37.71478	1836.28274	0	0	0	RS-700	-0.50606
1337	-122.361	37.71478	1886.46883	0	0	0	RS-700	-0.25637
1338	-122.361	37.71478	1837.74869	0	0	0	RS-700	-0.49876
1339	-122.361	37.71479	1833.8293	0	0	0	RS-700	-0.51826
1340	-122.361	37.71479	1907.24987	0	0	0	RS-700	-0.15299
1341	-122.361	37.71479	1873.11745	0	0	0	RS-700	-0.3228
1342	-122.361	37.71479	1917.48674	0	0	0	RS-700	-0.10206
1343	-122.361	37.7148	1926.57915	0	0	0	RS-700	-0.05682
1344	-122.361	37.7148	1977.89135	0	0	0	RS-700	0.198464
1345	-122.361	37.7148	1917.58397	0	0	0	RS-700	-0.10157
1346	-122.361	37.7148	1866.76221	0	0	0	RS-700	-0.35442
1347	-122.361	37.71481	1944.30189	0	0	0	RS-700	0.031353
1348	-122.361	37.71481	1890.46987	0	0	0	RS-700	-0.23647
1349	-122.361	37.71481	1978.80531	0	0	0	RS-700	0.203011



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1350	-122.361	37.71481	1976.50781	0	0	0	RS-700	0.191581
1351	-122.361	37.71482	1954.81207	0	0	0	RS-700	0.083642
1352	-122.361	37.71482	1898.48107	0	0	0	RS-700	-0.19661
1353	-122.361	37.71482	2000.50602	0	0	0	RS-700	0.310975
1354	-122.361	37.71482	1945.88326	0	0	0	RS-700	0.03922
1355	-122.361	37.71483	1959.69323	0	0	0	RS-700	0.107927
1356	-122.361	37.71483	1962.20469	0	0	0	RS-700	0.120421
1357	-122.361	37.71483	1959.09421	0	0	0	RS-700	0.104946
1358	-122.361	37.71483	1975.40065	0	0	0	RS-700	0.186073
1359	-122.361	37.71484	2050.42524	0	0	0	RS-700	0.55933
1360	-122.361	37.71484	1961.48905	0	0	0	RS-700	0.116861
1361	-122.361	37.71484	2009.61601	0	0	0	RS-700	0.356299
1362	-122.361	37.71484	2055.62583	0	0	0	RS-700	0.585203
1363	-122.361	37.71484	1996.5053	0	0	0	RS-700	0.291071
1364	-122.361	37.71485	1962.98982	0	0	0	RS-700	0.124327
1365	-122.361	37.71485	1930.39264	0	0	0	RS-700	-0.03785
1366	-122.361	37.71485	1870.75253	0	0	0	RS-700	-0.33456
1367	-122.361	37.71485	1983.50478	0	0	0	RS-700	0.226392
1368	-122.361	37.71486	1956.59816	0	0	0	RS-700	0.092528
1369	-122.361	37.71486	1990.10677	0	0	0	RS-700	0.259238
1370	-122.361	37.71486	2003.40948	0	0	0	RS-700	0.32542
1371	-122.361	37.71486	1826.64816	0	0	0	RS-700	-0.55399
1372	-122.361	37.71486	1816.27824	0	0	0	RS-700	-0.60558
1373	-122.361	37.71487	1760.45637	0	0	0	RS-700	-0.8833
1374	-122.361	37.71487	1700.45545	0	0	0	RS-700	-1.18181
1375	-122.361	37.71487	1820.46127	0	0	0	RS-700	-0.58477
1376	-122.361	37.71487	1876.76224	0	0	0	RS-700	-0.30467
1377	-122.361	37.71488	1871.4733	0	0	0	RS-700	-0.33098
1378	-122.361	37.71488	1830.92202	0	0	0	RS-700	-0.53273
1379	-122.361	37.71488	1638.48328	0	0	0	RS-700	-1.49013
1380	-122.361	37.71488	1241.37436	0	0	0	RS-700	-3.4658
1381	-122.361	37.71488	848.11556	0	0	0	RS-700	-5.42231
1382	-122.361	37.71488	779.03833	0	0	0	RS-700	-5.76598
1383	-122.361	37.71489	756.12037	0	0	0	RS-700	-5.88
1384	-122.361	37.71489	856.08969	0	0	0	RS-700	-5.38264
1385	-122.361	37.71489	1041.21861	0	0	0	RS-700	-4.4616
1386	-122.361	37.71489	1719.61406	0	0	0	RS-700	-1.0865
1387	-122.361	37.71489	1845.73189	0	0	0	RS-700	-0.45905
1388	-122.361	37.71489	1849.83156	0	0	0	RS-700	-0.43865
1389	-122.361	37.71489	1804.46235	0	0	0	RS-700	-0.66437
1390	-122.361	37.71489	1769.36863	0	0	0	RS-700	-0.83896
1391	-122.361	37.71489	1921.39153	0	0	0	RS-700	-0.08263
1392	-122.361	37.7149	1959.59644	0	0	0	RS-700	0.107445
1393	-122.361	37.7149	1962.89184	0	0	0	RS-700	0.12384
1394	-122.361	37.7149	1947.4941	0	0	0	RS-700	0.047234

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1395	-122.361	37.7149	1889.61153	0	0	0	RS-700	-0.24074
1396	-122.361	37.7149	1932.78894	0	0	0	RS-700	-0.02593
1397	-122.361	37.71491	1940.87977	0	0	0	RS-700	0.014327
1398	-122.361	37.71491	1910.48626	0	0	0	RS-700	-0.13688
1399	-122.361	37.71491	1908.57338	0	0	0	RS-700	-0.1464
1400	-122.361	37.71491	1945.49561	0	0	0	RS-700	0.037292
1401	-122.361	37.71492	1959.9879	0	0	0	RS-700	0.109393
1402	-122.361	37.71492	1875.85235	0	0	0	RS-700	-0.30919
1403	-122.361	37.71492	1815.00763	0	0	0	RS-700	-0.6119
1404	-122.361	37.71492	1858.84868	0	0	0	RS-700	-0.39379
1405	-122.361	37.71492	1865.47651	0	0	0	RS-700	-0.36081
1406	-122.361	37.71492	1873.13028	0	0	0	RS-700	-0.32273
1407	-122.361	37.71493	1859.47221	0	0	0	RS-700	-0.39069
1408	-122.361	37.71493	1971.40717	0	0	0	RS-700	0.166205
1409	-122.361	37.71493	1991.70689	0	0	0	RS-700	0.267198
1410	-122.361	37.71493	1902.95516	0	0	0	RS-700	-0.17435
1411	-122.361	37.71493	1892.38477	0	0	0	RS-700	-0.22694
1412	-122.361	37.71494	1858.84903	0	0	0	RS-700	-0.39379
1413	-122.361	37.71494	1852.6579	0	0	0	RS-700	-0.42459
1414	-122.361	37.71494	1835.92599	0	0	0	RS-700	-0.50783
1415	-122.361	37.71494	1849.7541	0	0	0	RS-700	-0.43903
1416	-122.361	37.71495	1903.67977	0	0	0	RS-700	-0.17075
1417	-122.361	37.71495	1866.67299	0	0	0	RS-700	-0.35486
1418	-122.361	37.71495	2020.6268	0	0	0	RS-700	0.411079
1419	-122.361	37.71495	2040.13748	0	0	0	RS-700	0.508147
1420	-122.361	37.71496	1992.30342	0	0	0	RS-700	0.270166
1421	-122.361	37.71496	1964.69106	0	0	0	RS-700	0.132791
1422	-122.361	37.71496	1828.46465	0	0	0	RS-700	-0.54495
1423	-122.361	37.71496	1522.54027	0	0	0	RS-700	-2.06696
1424	-122.361	37.71496	1221.24943	0	0	0	RS-700	-3.56592
1425	-122.361	37.71497	1114.22699	0	0	0	RS-700	-4.09837
1426	-122.361	37.71497	1424.58074	0	0	0	RS-700	-2.55432
1427	-122.361	37.71497	1818.55084	0	0	0	RS-700	-0.59427
1428	-122.361	37.71497	1872.86015	0	0	0	RS-700	-0.32408
1429	-122.361	37.71497	1791.06045	0	0	0	RS-700	-0.73104
1430	-122.361	37.71498	1865.47784	0	0	0	RS-700	-0.36081
1431	-122.361	37.71498	1836.7412	0	0	0	RS-700	-0.50378
1432	-122.361	37.71498	1729.4421	0	0	0	RS-700	-1.0376
1433	-122.361	37.71499	1820.00475	0	0	0	RS-700	-0.58704
1434	-122.361	37.71499	1850.92575	0	0	0	RS-700	-0.43321
1435	-122.361	37.71499	1802.45602	0	0	0	RS-700	-0.67435
1436	-122.361	37.715	1895.67145	0	0	0	RS-700	-0.21059
1437	-122.361	37.715	1788.45371	0	0	0	RS-700	-0.74401
1438	-122.361	37.715	1916.77623	0	0	0	RS-700	-0.10559
1439	-122.361	37.715	1900.67881	0	0	0	RS-700	-0.18568

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1440	-122.361	37.71501	1960.89146	0	0	0	RS-700	0.113888
1441	-122.361	37.71501	1983.90932	0	0	0	RS-700	0.228405
1442	-122.361	37.71501	1970.59913	0	0	0	RS-700	0.162185
1443	-122.361	37.71501	2036.62443	0	0	0	RS-700	0.490669
1444	-122.361	37.71502	1979.5052	0	0	0	RS-700	0.206494
1445	-122.361	37.71502	1928.78387	0	0	0	RS-700	-0.04585
1446	-122.361	37.71502	2005.22405	0	0	0	RS-700	0.334448
1447	-122.361	37.71502	1886.04178	0	0	0	RS-700	-0.2585
1448	-122.361	37.71503	1966.79028	0	0	0	RS-700	0.143235
1449	-122.361	37.71503	1907.39052	0	0	0	RS-700	-0.15229
1450	-122.361	37.71503	1795.54573	0	0	0	RS-700	-0.70873
1451	-122.361	37.71503	1863.55791	0	0	0	RS-700	-0.37036
1452	-122.361	37.71504	1927.8793	0	0	0	RS-700	-0.05035
1453	-122.361	37.71504	1824.64218	0	0	0	RS-700	-0.56397
1454	-122.361	37.71504	1911.86573	0	0	0	RS-700	-0.13002
1455	-122.361	37.71504	1870.56011	0	0	0	RS-700	-0.33552
1456	-122.361	37.71505	1812.45327	0	0	0	RS-700	-0.62461
1457	-122.361	37.71505	1893.15191	0	0	0	RS-700	-0.22312
1458	-122.361	37.71505	1922.88432	0	0	0	RS-700	-0.0752
1459	-122.361	37.71505	1877.57058	0	0	0	RS-700	-0.30064
1460	-122.361	37.71506	1806.45837	0	0	0	RS-700	-0.65444
1461	-122.361	37.71506	1807.73072	0	0	0	RS-700	-0.64811
1462	-122.361	37.71506	1938.68852	0	0	0	RS-700	0.003425
1463	-122.361	37.71506	1851.56315	0	0	0	RS-700	-0.43003
1464	-122.361	37.71507	1886.85566	0	0	0	RS-700	-0.25445
1465	-122.361	37.71507	1886.75872	0	0	0	RS-700	-0.25493
1466	-122.361	37.71507	1924.50243	0	0	0	RS-700	-0.06715
1467	-122.361	37.71508	1948.07656	0	0	0	RS-700	0.050132
1468	-122.361	37.71508	1861.75397	0	0	0	RS-700	-0.37933
1469	-122.361	37.71508	1906.67783	0	0	0	RS-700	-0.15583
1470	-122.361	37.71508	1944.78989	0	0	0	RS-700	0.033781
1471	-122.361	37.71508	1783.5446	0	0	0	RS-700	-0.76843
1472	-122.361	37.71509	1902.1497	0	0	0	RS-700	-0.17836
1473	-122.361	37.71509	1880.763	0	0	0	RS-700	-0.28476
1474	-122.361	37.71509	1850.55973	0	0	0	RS-700	-0.43503
1475	-122.361	37.71509	1838.74277	0	0	0	RS-700	-0.49382
1476	-122.361	37.7151	1840.7452	0	0	0	RS-700	-0.48385
1477	-122.361	37.7151	1880.47485	0	0	0	RS-700	-0.28619
1478	-122.361	37.7151	1888.48317	0	0	0	RS-700	-0.24635
1479	-122.361	37.7151	1879.38238	0	0	0	RS-700	-0.29163
1480	-122.361	37.71511	1868.28019	0	0	0	RS-700	-0.34686
1481	-122.361	37.71511	1875.28114	0	0	0	RS-700	-0.31203
1482	-122.361	37.71511	1915.78004	0	0	0	RS-700	-0.11055
1483	-122.361	37.71511	2011.71305	0	0	0	RS-700	0.366732
1484	-122.361	37.71512	1964.69658	0	0	0	RS-700	0.132819

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1485	-122.361	37.71512	2000.20688	0	0	0	RS-700	0.309487
1486	-122.361	37.71512	2100.18445	0	0	0	RS-700	0.806888
1487	-122.361	37.71512	2014.31613	0	0	0	RS-700	0.379682
1488	-122.361	37.71512	2006.70768	0	0	0	RS-700	0.341829
1489	-122.361	37.71513	1969.69947	0	0	0	RS-700	0.157709
1490	-122.361	37.71513	1996.11371	0	0	0	RS-700	0.289123
1491	-122.361	37.71513	2054.46296	0	0	0	RS-700	0.579418
1492	-122.361	37.71513	1963.29842	0	0	0	RS-700	0.125863
1493	-122.361	37.71514	1979.80062	0	0	0	RS-700	0.207963
1494	-122.361	37.71514	1855.95131	0	0	0	RS-700	-0.4082
1495	-122.361	37.71514	1999.41143	0	0	0	RS-700	0.30553
1496	-122.361	37.71515	1828.2776	0	0	0	RS-700	-0.54588
1497	-122.361	37.71515	1855.84319	0	0	0	RS-700	-0.40874
1498	-122.361	37.71515	1740.87857	0	0	0	RS-700	-0.9807
1499	-122.361	37.71515	1789.54376	0	0	0	RS-700	-0.73859
1500	-122.361	37.71516	1785.64065	0	0	0	RS-700	-0.75801
1501	-122.361	37.71516	1620.24894	0	0	0	RS-700	-1.58085
1502	-122.361	37.71516	1544.39976	0	0	0	RS-700	-1.95821
1503	-122.361	37.71516	1512.46902	0	0	0	RS-700	-2.11707
1504	-122.361	37.71517	1538.68724	0	0	0	RS-700	-1.98663
1505	-122.361	37.71517	1627.49548	0	0	0	RS-700	-1.5448
1506	-122.361	37.71517	1717.43751	0	0	0	RS-700	-1.09733
1507	-122.361	37.71517	1698.43004	0	0	0	RS-700	-1.19189
1508	-122.361	37.71517	1807.46934	0	0	0	RS-700	-0.64941
1509	-122.361	37.71517	1721.71017	0	0	0	RS-700	-1.07607
1510	-122.361	37.71517	1714.52287	0	0	0	RS-700	-1.11183
1511	-122.361	37.71517	1762.44476	0	0	0	RS-700	-0.87341
1512	-122.361	37.71517	1731.43461	0	0	0	RS-700	-1.02769
1513	-122.361	37.71517	1695.68534	0	0	0	RS-700	-1.20555
1514	-122.361	37.71517	1753.79565	0	0	0	RS-700	-0.91644
1515	-122.361	37.71517	1786.275	0	0	0	RS-700	-0.75485
1516	-122.361	37.71517	1771.44584	0	0	0	RS-700	-0.82863
1517	-122.361	37.71517	1762.36146	0	0	0	RS-700	-0.87382
1518	-122.361	37.71517	1808.46523	0	0	0	RS-700	-0.64445
1519	-122.361	37.71517	1758.53561	0	0	0	RS-700	-0.89286
1520	-122.361	37.71517	1706.52043	0	0	0	RS-700	-1.15164
1521	-122.361	37.71517	1731.9618	0	0	0	RS-700	-1.02507
1522	-122.361	37.71517	1687.60224	0	0	0	RS-700	-1.24576
1523	-122.361	37.71517	1737.52802	0	0	0	RS-700	-0.99737
1524	-122.361	37.71517	1701.68819	0	0	0	RS-700	-1.17568
1525	-122.361	37.71517	1765.71969	0	0	0	RS-700	-0.85712
1526	-122.361	37.71517	1695.60387	0	0	0	RS-700	-1.20595
1527	-122.361	37.71517	1829.46314	0	0	0	RS-700	-0.53998
1528	-122.361	37.71517	1915.77121	0	0	0	RS-700	-0.11059
1529	-122.361	37.71517	1861.03252	0	0	0	RS-700	-0.38292

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1530	-122.361	37.71517	1844.83505	0	0	0	RS-700	-0.46351
1531	-122.361	37.71517	1941.98302	0	0	0	RS-700	0.019816
1532	-122.361	37.71517	1842.37608	0	0	0	RS-700	-0.47574
1533	-122.361	37.71517	1752.41143	0	0	0	RS-700	-0.92333
1534	-122.361	37.71517	1788.6461	0	0	0	RS-700	-0.74305
1535	-122.361	37.71517	1796.45426	0	0	0	RS-700	-0.70421
1536	-122.361	37.71518	1406.42908	0	0	0	RS-700	-2.64463
1537	-122.361	37.71518	1235.28166	0	0	0	RS-700	-3.49611
1538	-122.361	37.71518	1196.32212	0	0	0	RS-700	-3.68994
1539	-122.361	37.71518	1260.24693	0	0	0	RS-700	-3.37191
1540	-122.361	37.71518	1253.50163	0	0	0	RS-700	-3.40546
1541	-122.361	37.71518	1314.38619	0	0	0	RS-700	-3.10256
1542	-122.361	37.71518	1333.27195	0	0	0	RS-700	-3.0086
1543	-122.361	37.71519	1678.59009	0	0	0	RS-700	-1.2906
1544	-122.361	37.71519	1789.46622	0	0	0	RS-700	-0.73897
1545	-122.361	37.71519	1750.05796	0	0	0	RS-700	-0.93504
1546	-122.361	37.71519	1842.4636	0	0	0	RS-700	-0.47531
1547	-122.361	37.71519	1820.82711	0	0	0	RS-700	-0.58295
1548	-122.361	37.71519	1868.0354	0	0	0	RS-700	-0.34808
1549	-122.361	37.7152	1817.91716	0	0	0	RS-700	-0.59743
1550	-122.361	37.7152	1968.50307	0	0	0	RS-700	0.151757
1551	-122.361	37.7152	1865.84276	0	0	0	RS-700	-0.35899
1552	-122.361	37.7152	1871.57403	0	0	0	RS-700	-0.33048
1553	-122.361	37.71521	1799.5398	0	0	0	RS-700	-0.68886
1554	-122.361	37.71521	1835.46764	0	0	0	RS-700	-0.51011
1555	-122.361	37.71521	1708.5254	0	0	0	RS-700	-1.14166
1556	-122.361	37.71521	1717.35028	0	0	0	RS-700	-1.09776
1557	-122.361	37.71521	1727.85463	0	0	0	RS-700	-1.0455
1558	-122.361	37.71522	1753.27078	0	0	0	RS-700	-0.91905
1559	-122.361	37.71522	1738.19113	0	0	0	RS-700	-0.99407
1560	-122.361	37.71522	1729.2707	0	0	0	RS-700	-1.03845
1561	-122.361	37.71522	1792.27538	0	0	0	RS-700	-0.725
1562	-122.361	37.71522	1794.16993	0	0	0	RS-700	-0.71557
1563	-122.361	37.71523	1866.19363	0	0	0	RS-700	-0.35725
1564	-122.361	37.71523	1804.75936	0	0	0	RS-700	-0.66289
1565	-122.361	37.71523	1802.44687	0	0	0	RS-700	-0.67439
1566	-122.361	37.71523	1810.46704	0	0	0	RS-700	-0.63449
1567	-122.361	37.71524	1822.72527	0	0	0	RS-700	-0.57351
1568	-122.361	37.71524	1772.62841	0	0	0	RS-700	-0.82274
1569	-122.361	37.71524	1817.83493	0	0	0	RS-700	-0.59784
1570	-122.361	37.71524	1853.56429	0	0	0	RS-700	-0.42008
1571	-122.361	37.71524	1805.64004	0	0	0	RS-700	-0.65851
1572	-122.361	37.71525	1827.27987	0	0	0	RS-700	-0.55085
1573	-122.361	37.71525	1868.75541	0	0	0	RS-700	-0.3445
1574	-122.361	37.71525	1929.68004	0	0	0	RS-700	-0.04139

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1575	-122.361	37.71525	1800.36976	0	0	0	RS-700	-0.68473
1576	-122.361	37.71525	1877.22829	0	0	0	RS-700	-0.30235
1577	-122.361	37.71526	1836.92731	0	0	0	RS-700	-0.50285
1578	-122.361	37.71526	1780.89295	0	0	0	RS-700	-0.78163
1579	-122.361	37.71526	1823.37157	0	0	0	RS-700	-0.57029
1580	-122.361	37.71526	1795.54725	0	0	0	RS-700	-0.70872
1581	-122.361	37.71526	1836.74094	0	0	0	RS-700	-0.50378
1582	-122.361	37.71526	1853.02615	0	0	0	RS-700	-0.42276
1583	-122.361	37.71527	1893.47907	0	0	0	RS-700	-0.2215
1584	-122.361	37.71527	1941.78975	0	0	0	RS-700	0.018854
1585	-122.362	37.71527	1871.56827	0	0	0	RS-700	-0.33051
1586	-122.362	37.71527	1880.6681	0	0	0	RS-700	-0.28523
1587	-122.362	37.71527	1856.64821	0	0	0	RS-700	-0.40474
1588	-122.362	37.71528	1841.4669	0	0	0	RS-700	-0.48026
1589	-122.362	37.71528	1869.47322	0	0	0	RS-700	-0.34093
1590	-122.362	37.71528	1852.56483	0	0	0	RS-700	-0.42505
1591	-122.362	37.71528	1890.14701	0	0	0	RS-700	-0.23807
1592	-122.362	37.71528	1890.47638	0	0	0	RS-700	-0.23644
1593	-122.362	37.71528	1865.93854	0	0	0	RS-700	-0.35851
1594	-122.362	37.71529	1805.37487	0	0	0	RS-700	-0.65983
1595	-122.362	37.71529	1854.84473	0	0	0	RS-700	-0.41371
1596	-122.362	37.71529	1819.64611	0	0	0	RS-700	-0.58883
1597	-122.362	37.71529	1873.48008	0	0	0	RS-700	-0.32099
1598	-122.362	37.71529	1841.37929	0	0	0	RS-700	-0.4807
1599	-122.362	37.71529	1829.74724	0	0	0	RS-700	-0.53857
1600	-122.362	37.7153	1836.56711	0	0	0	RS-700	-0.50464
1601	-122.362	37.7153	1894.67623	0	0	0	RS-700	-0.21554
1602	-122.362	37.7153	1832.46262	0	0	0	RS-700	-0.52506
1603	-122.362	37.7153	1870.93676	0	0	0	RS-700	-0.33365
1604	-122.362	37.7153	1868.57567	0	0	0	RS-700	-0.34539
1605	-122.362	37.71531	1763.62746	0	0	0	RS-700	-0.86753
1606	-122.362	37.71531	1808.19277	0	0	0	RS-700	-0.64581
1607	-122.362	37.71531	1828.64832	0	0	0	RS-700	-0.54404
1608	-122.362	37.71531	1863.01317	0	0	0	RS-700	-0.37307
1609	-122.362	37.71531	1886.3918	0	0	0	RS-700	-0.25676
1610	-122.362	37.71532	1820.5448	0	0	0	RS-700	-0.58435
1611	-122.362	37.71532	1882.57315	0	0	0	RS-700	-0.27576
1612	-122.362	37.71532	1861.56733	0	0	0	RS-700	-0.38026
1613	-122.362	37.71532	1914.38639	0	0	0	RS-700	-0.11748
1614	-122.362	37.71532	1848.8487	0	0	0	RS-700	-0.44354
1615	-122.362	37.71532	1818.73366	0	0	0	RS-700	-0.59336
1616	-122.362	37.71533	1853.05826	0	0	0	RS-700	-0.4226
1617	-122.362	37.71533	1857.56475	0	0	0	RS-700	-0.40018
1618	-122.362	37.71533	1900.69834	0	0	0	RS-700	-0.18558
1619	-122.362	37.71533	1866.75559	0	0	0	RS-700	-0.35445

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1620	-122.362	37.71534	1990.28719	0	0	0	RS-700	0.260135
1621	-122.362	37.71534	2009.82056	0	0	0	RS-700	0.357316
1622	-122.362	37.71534	2001.01053	0	0	0	RS-700	0.313485
1623	-122.362	37.71534	2037.72072	0	0	0	RS-700	0.496123
1624	-122.362	37.71534	1955.49973	0	0	0	RS-700	0.087063
1625	-122.362	37.71534	1867.4774	0	0	0	RS-700	-0.35086
1626	-122.362	37.71535	1965.80013	0	0	0	RS-700	0.138309
1627	-122.362	37.71535	1956.68367	0	0	0	RS-700	0.092954
1628	-122.362	37.71535	1889.57904	0	0	0	RS-700	-0.2409
1629	-122.362	37.71535	1929.68425	0	0	0	RS-700	-0.04137
1630	-122.362	37.71536	1907.58247	0	0	0	RS-700	-0.15133
1631	-122.362	37.71536	1894.8589	0	0	0	RS-700	-0.21463
1632	-122.362	37.71536	1886.66637	0	0	0	RS-700	-0.25539
1633	-122.362	37.71536	1899.2942	0	0	0	RS-700	-0.19257
1634	-122.362	37.71537	1943.88388	0	0	0	RS-700	0.029273
1635	-122.362	37.71537	1908.59673	0	0	0	RS-700	-0.14628
1636	-122.362	37.71537	1883.94961	0	0	0	RS-700	-0.26891
1637	-122.362	37.71537	1930.07937	0	0	0	RS-700	-0.03941
1638	-122.362	37.71538	1854.20845	0	0	0	RS-700	-0.41687
1639	-122.362	37.71538	1846.12589	0	0	0	RS-700	-0.45709
1640	-122.362	37.71538	1868.74613	0	0	0	RS-700	-0.34455
1641	-122.362	37.71538	1874.05187	0	0	0	RS-700	-0.31815
1642	-122.362	37.71538	1918.48294	0	0	0	RS-700	-0.0971
1643	-122.362	37.71539	1815.8267	0	0	0	RS-700	-0.60783
1644	-122.362	37.71539	1947.87894	0	0	0	RS-700	0.049149
1645	-122.362	37.71539	1866.75587	0	0	0	RS-700	-0.35445
1646	-122.362	37.71539	1938.25499	0	0	0	RS-700	0.001269
1647	-122.362	37.7154	1940.49419	0	0	0	RS-700	0.012409
1648	-122.362	37.7154	1867.38257	0	0	0	RS-700	-0.35133
1649	-122.362	37.7154	1834.01058	0	0	0	RS-700	-0.51736
1650	-122.362	37.7154	1974.01607	0	0	0	RS-700	0.179184
1651	-122.362	37.7154	1919.77683	0	0	0	RS-700	-0.09066
1652	-122.362	37.71541	1978.2002	0	0	0	RS-700	0.200001
1653	-122.362	37.71541	1935.49282	0	0	0	RS-700	-0.01247
1654	-122.362	37.71541	1957.59733	0	0	0	RS-700	0.097499
1655	-122.362	37.71541	1989.90101	0	0	0	RS-700	0.258214
1656	-122.362	37.71542	2041.5194	0	0	0	RS-700	0.515022
1657	-122.362	37.71542	1962.09143	0	0	0	RS-700	0.119858
1658	-122.362	37.71542	1970.89622	0	0	0	RS-700	0.163663
1659	-122.362	37.71542	1942.96453	0	0	0	RS-700	0.024699
1660	-122.362	37.71543	2071.63557	0	0	0	RS-700	0.664854
1661	-122.362	37.71543	2003.82739	0	0	0	RS-700	0.327499
1662	-122.362	37.71543	1908.57132	0	0	0	RS-700	-0.14641
1663	-122.362	37.71543	1930.87544	0	0	0	RS-700	-0.03545
1664	-122.362	37.71544	1962.79443	0	0	0	RS-700	0.123355

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1665	-122.362	37.71544	1943.27397	0	0	0	RS-700	0.026239
1666	-122.362	37.71544	1901.57745	0	0	0	RS-700	-0.18121
1667	-122.362	37.71544	1871.57422	0	0	0	RS-700	-0.33048
1668	-122.362	37.71545	1928.26203	0	0	0	RS-700	-0.04845
1669	-122.362	37.71545	1797.45907	0	0	0	RS-700	-0.69921
1670	-122.362	37.71545	1639.50065	0	0	0	RS-700	-1.48507
1671	-122.362	37.71545	1477.24242	0	0	0	RS-700	-2.29233
1672	-122.362	37.71546	1484.42383	0	0	0	RS-700	-2.2566
1673	-122.362	37.71546	1652.79014	0	0	0	RS-700	-1.41895
1674	-122.362	37.71546	1791.90688	0	0	0	RS-700	-0.72683
1675	-122.362	37.71546	1872.66202	0	0	0	RS-700	-0.32506
1676	-122.362	37.71547	1779.36373	0	0	0	RS-700	-0.78924
1677	-122.362	37.71547	1685.17434	0	0	0	RS-700	-1.25784
1678	-122.362	37.71547	1380.07246	0	0	0	RS-700	-2.77576
1679	-122.362	37.71547	863.04256	0	0	0	RS-700	-5.34805
1680	-122.362	37.71547	804.12646	0	0	0	RS-700	-5.64116
1681	-122.362	37.71547	843.04426	0	0	0	RS-700	-5.44754
1682	-122.362	37.71547	746.18877	0	0	0	RS-700	-5.92941
1683	-122.362	37.71547	695.0327	0	0	0	RS-700	-6.18392
1684	-122.362	37.71548	801.24707	0	0	0	RS-700	-5.65549
1685	-122.362	37.71548	1039.21254	0	0	0	RS-700	-4.47158
1686	-122.362	37.71548	1725.11743	0	0	0	RS-700	-1.05912
1687	-122.362	37.71548	1912.77651	0	0	0	RS-700	-0.12549
1688	-122.362	37.71548	1841.37809	0	0	0	RS-700	-0.48071
1689	-122.362	37.71549	1854.93939	0	0	0	RS-700	-0.41324
1690	-122.362	37.71549	1873.38345	0	0	0	RS-700	-0.32148
1691	-122.362	37.71549	1794.36928	0	0	0	RS-700	-0.71458
1692	-122.362	37.71549	1909.99268	0	0	0	RS-700	-0.13934
1693	-122.362	37.7155	1904.29175	0	0	0	RS-700	-0.1677
1694	-122.362	37.7155	1964.09006	0	0	0	RS-700	0.129801
1695	-122.362	37.7155	1976.19367	0	0	0	RS-700	0.190018
1696	-122.362	37.7155	1945.59459	0	0	0	RS-700	0.037784
1697	-122.362	37.71551	1934.6874	0	0	0	RS-700	-0.01648
1698	-122.362	37.71551	2004.11673	0	0	0	RS-700	0.328939
1699	-122.362	37.71551	1949.69135	0	0	0	RS-700	0.058166
1700	-122.362	37.71551	2033.9252	0	0	0	RS-700	0.47724
1701	-122.362	37.71552	1996.90729	0	0	0	RS-700	0.293071
1702	-122.362	37.71552	2054.42396	0	0	0	RS-700	0.579224
1703	-122.362	37.71552	1917.77507	0	0	0	RS-700	-0.10062
1704	-122.362	37.71552	1975.53401	0	0	0	RS-700	0.186736
1705	-122.362	37.71553	1926.48701	0	0	0	RS-700	-0.05728
1706	-122.362	37.71553	1987.80647	0	0	0	RS-700	0.247793
1707	-122.362	37.71553	1854.65748	0	0	0	RS-700	-0.41464
1708	-122.362	37.71553	1945.88404	0	0	0	RS-700	0.039224
1709	-122.362	37.71554	1935.39473	0	0	0	RS-700	-0.01296



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1710	-122.362	37.71554	1899.57965	0	0	0	RS-700	-0.19115
1711	-122.362	37.71554	1869.6665	0	0	0	RS-700	-0.33997
1712	-122.362	37.71554	1528.38654	0	0	0	RS-700	-2.03788
1713	-122.362	37.71555	1739.35964	0	0	0	RS-700	-0.98826
1714	-122.362	37.71555	1838.92979	0	0	0	RS-700	-0.49289
1715	-122.362	37.71555	1893.76604	0	0	0	RS-700	-0.22007
1716	-122.362	37.71555	1888.6756	0	0	0	RS-700	-0.2454
1717	-122.362	37.71555	1893.57672	0	0	0	RS-700	-0.22101
1718	-122.362	37.71555	1927.16558	0	0	0	RS-700	-0.0539
1719	-122.362	37.71556	1964.69467	0	0	0	RS-700	0.132809
1720	-122.362	37.71556	1946.30448	0	0	0	RS-700	0.041316
1721	-122.362	37.71556	2000.20225	0	0	0	RS-700	0.309464
1722	-122.362	37.71556	1895.67291	0	0	0	RS-700	-0.21058
1723	-122.362	37.71557	1934.49101	0	0	0	RS-700	-0.01746
1724	-122.362	37.71557	1921.6831	0	0	0	RS-700	-0.08118
1725	-122.362	37.71557	1815.55135	0	0	0	RS-700	-0.6092
1726	-122.362	37.71557	1783.79988	0	0	0	RS-700	-0.76716
1727	-122.362	37.71558	1834.74132	0	0	0	RS-700	-0.51372
1728	-122.362	37.71558	1885.67392	0	0	0	RS-700	-0.26033
1729	-122.362	37.71558	1869.6571	0	0	0	RS-700	-0.34001
1730	-122.362	37.71559	1926.16568	0	0	0	RS-700	-0.05888
1731	-122.362	37.71559	1915.68002	0	0	0	RS-700	-0.11104
1732	-122.362	37.71559	1938.78414	0	0	0	RS-700	0.003901
1733	-122.362	37.71559	1971.89615	0	0	0	RS-700	0.168638
1734	-122.362	37.7156	2012.615	0	0	0	RS-700	0.371219
1735	-122.362	37.7156	2058.85001	0	0	0	RS-700	0.601244
1736	-122.362	37.7156	1997.70814	0	0	0	RS-700	0.297055
1737	-122.362	37.7156	2022.92402	0	0	0	RS-700	0.422508
1738	-122.362	37.7156	2125.39238	0	0	0	RS-700	0.9323
1739	-122.362	37.71561	2165.2004	0	0	0	RS-700	1.13035
1740	-122.362	37.71561	2190.44684	0	0	0	RS-700	1.255954
1741	-122.362	37.71561	2119.75964	0	0	0	RS-700	0.904277
1742	-122.362	37.71561	2235.78094	0	0	0	RS-700	1.481497
1743	-122.362	37.71562	2181.19971	0	0	0	RS-700	1.209949
1744	-122.362	37.71562	2236.90858	0	0	0	RS-700	1.487107
1745	-122.362	37.71562	2183.77642	0	0	0	RS-700	1.222768
1746	-122.362	37.71562	2178.32148	0	0	0	RS-700	1.195629
1747	-122.362	37.71562	2178.77091	0	0	0	RS-700	1.197865
1748	-122.362	37.71563	2241.89954	0	0	0	RS-700	1.511938
1749	-122.362	37.71563	2343.59911	0	0	0	RS-700	2.017906
1750	-122.362	37.71563	2295.1586	0	0	0	RS-700	1.776908
1751	-122.362	37.71564	2420.03772	0	0	0	RS-700	2.398198
1752	-122.362	37.71564	2573.89311	0	0	0	RS-700	3.163647
1753	-122.362	37.71564	2508.62178	0	0	0	RS-700	2.838914
1754	-122.362	37.71564	2454.48555	0	0	0	RS-700	2.56958

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1755	-122.362	37.71564	2382.10198	0	0	0	RS-700	2.209463
1756	-122.362	37.71564	2419.73814	0	0	0	RS-700	2.396707
1757	-122.362	37.71564	2468.37693	0	0	0	RS-700	2.638691
1758	-122.362	37.71564	2454.62557	0	0	0	RS-700	2.570276
1759	-122.362	37.71564	2378.32337	0	0	0	RS-700	2.190664
1760	-122.362	37.71564	2359.30512	0	0	0	RS-700	2.096045
1761	-122.362	37.71564	2475.00181	0	0	0	RS-700	2.671651
1762	-122.362	37.71565	2472.56331	0	0	0	RS-700	2.659519
1763	-122.362	37.71565	2493.38986	0	0	0	RS-700	2.763134
1764	-122.362	37.71566	2423.97956	0	0	0	RS-700	2.417809
1765	-122.362	37.71565	2440.51503	0	0	0	RS-700	2.500075
1766	-122.362	37.71566	2371.83308	0	0	0	RS-700	2.158374
1767	-122.362	37.71566	2400.09907	0	0	0	RS-700	2.299
1768	-122.362	37.71567	2237.01169	0	0	0	RS-700	1.48762
1769	-122.362	37.71567	2258.36424	0	0	0	RS-700	1.593852
1770	-122.362	37.71567	2203.22761	0	0	0	RS-700	1.31954
1771	-122.362	37.71567	2207.22809	0	0	0	RS-700	1.339443
1772	-122.362	37.71568	2155.55856	0	0	0	RS-700	1.082381
1773	-122.362	37.71568	2191.03004	0	0	0	RS-700	1.258856
1774	-122.362	37.71568	2096.15848	0	0	0	RS-700	0.786858
1775	-122.362	37.71568	2121.41873	0	0	0	RS-700	0.912531
1776	-122.362	37.71568	2147.88024	0	0	0	RS-700	1.04418
1777	-122.362	37.71569	2196.21528	0	0	0	RS-700	1.284653
1778	-122.362	37.71569	2087.63783	0	0	0	RS-700	0.744467
1779	-122.362	37.71569	2067.24932	0	0	0	RS-700	0.643031
1780	-122.362	37.7157	2047.41804	0	0	0	RS-700	0.544368
1781	-122.362	37.7157	2083.26289	0	0	0	RS-700	0.722701
1782	-122.362	37.7157	2030.61814	0	0	0	RS-700	0.460787
1783	-122.362	37.7157	1959.40436	0	0	0	RS-700	0.106489
1784	-122.362	37.71571	1900.67383	0	0	0	RS-700	-0.1857
1785	-122.362	37.71571	1990.70281	0	0	0	RS-700	0.262203
1786	-122.362	37.71571	2006.81506	0	0	0	RS-700	0.342363
1787	-122.362	37.71571	1965.3985	0	0	0	RS-700	0.136311
1788	-122.362	37.71572	1981.12055	0	0	0	RS-700	0.21453
1789	-122.362	37.71572	2089.05395	0	0	0	RS-700	0.751512
1790	-122.362	37.71572	2027.02903	0	0	0	RS-700	0.44293
1791	-122.362	37.71573	2040.40911	0	0	0	RS-700	0.509498
1792	-122.362	37.71573	2148.42816	0	0	0	RS-700	1.046906
1793	-122.362	37.71573	2076.22301	0	0	0	RS-700	0.687677
1794	-122.362	37.71573	2047.92998	0	0	0	RS-700	0.546915
1795	-122.362	37.71573	1899.584	0	0	0	RS-700	-0.19112
1796	-122.362	37.71574	1751.09221	0	0	0	RS-700	-0.92989
1797	-122.362	37.71574	1703.12662	0	0	0	RS-700	-1.16852
1798	-122.362	37.71574	1775.90981	0	0	0	RS-700	-0.80642
1799	-122.362	37.71574	1981.30351	0	0	0	RS-700	0.21544

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1800	-122.362	37.71575	1971.90097	0	0	0	RS-700	0.168662
1801	-122.362	37.71575	1980.70495	0	0	0	RS-700	0.212462
1802	-122.362	37.71575	1772.70726	0	0	0	RS-700	-0.82235
1803	-122.362	37.71575	1415.28889	0	0	0	RS-700	-2.60055
1804	-122.362	37.71576	833.13059	0	0	0	RS-700	-5.49686
1805	-122.362	37.71576	856.17484	0	0	0	RS-700	-5.38221
1806	-122.362	37.71576	900.04792	0	0	0	RS-700	-5.16394
1807	-122.362	37.71576	773.19654	0	0	0	RS-700	-5.79504
1808	-122.362	37.71576	783.121	0	0	0	RS-700	-5.74567
1809	-122.362	37.71576	1207.43029	0	0	0	RS-700	-3.63468
1810	-122.362	37.71577	1780.54262	0	0	0	RS-700	-0.78337
1811	-122.362	37.71577	1922.37956	0	0	0	RS-700	-0.07771
1812	-122.362	37.71577	1912.98583	0	0	0	RS-700	-0.12445
1813	-122.362	37.71577	1970.50024	0	0	0	RS-700	0.161693
1814	-122.362	37.71578	2064.25357	0	0	0	RS-700	0.628127
1815	-122.362	37.71578	2052.93522	0	0	0	RS-700	0.571817
1816	-122.362	37.71578	2058.64155	0	0	0	RS-700	0.600207
1817	-122.362	37.71578	2045.93139	0	0	0	RS-700	0.536972
1818	-122.362	37.71578	2048.41825	0	0	0	RS-700	0.549345
1819	-122.362	37.71579	2171.2358	0	0	0	RS-700	1.160377
1820	-122.362	37.71579	2109.27658	0	0	0	RS-700	0.852122
1821	-122.362	37.71579	2119.43546	0	0	0	RS-700	0.902664
1822	-122.362	37.7158	2002.81699	0	0	0	RS-700	0.322473
1823	-122.362	37.7158	2016.23729	0	0	0	RS-700	0.38924
1824	-122.362	37.7158	2035.34092	0	0	0	RS-700	0.484283
1825	-122.362	37.7158	2038.71969	0	0	0	RS-700	0.501093
1826	-122.362	37.7158	1989.20852	0	0	0	RS-700	0.254769
1827	-122.362	37.71581	1938.88089	0	0	0	RS-700	0.004383
1828	-122.362	37.71581	1994.92345	0	0	0	RS-700	0.283201
1829	-122.362	37.71581	1967.89706	0	0	0	RS-700	0.148742
1830	-122.362	37.71582	1956.89116	0	0	0	RS-700	0.093986
1831	-122.362	37.71582	1862.66125	0	0	0	RS-700	-0.37482
1832	-122.362	37.71582	1714.35124	0	0	0	RS-700	-1.11268
1833	-122.362	37.71582	1807.17771	0	0	0	RS-700	-0.65086
1834	-122.362	37.71583	1798.45749	0	0	0	RS-700	-0.69424
1835	-122.362	37.71583	1773.36178	0	0	0	RS-700	-0.8191
1836	-122.362	37.71583	1698.11817	0	0	0	RS-700	-1.19344
1837	-122.362	37.71583	1725.78421	0	0	0	RS-700	-1.0558
1838	-122.362	37.71584	1783.80681	0	0	0	RS-700	-0.76713
1839	-122.362	37.71584	1715.78891	0	0	0	RS-700	-1.10553
1840	-122.362	37.71584	1751.44464	0	0	0	RS-700	-0.92814
1841	-122.362	37.71584	1675.42914	0	0	0	RS-700	-1.30632
1842	-122.362	37.71585	1734.09354	0	0	0	RS-700	-1.01446
1843	-122.362	37.71585	1767.52917	0	0	0	RS-700	-0.84811
1844	-122.362	37.71585	1759.62802	0	0	0	RS-700	-0.88742

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1845	-122.363	37.71585	1890.22604	0	0	0	RS-700	-0.23768
1846	-122.363	37.71586	1824.10108	0	0	0	RS-700	-0.56666
1847	-122.363	37.71586	1830.10371	0	0	0	RS-700	-0.5368
1848	-122.363	37.71586	1866.47754	0	0	0	RS-700	-0.35583
1849	-122.363	37.71586	1863.56456	0	0	0	RS-700	-0.37033
1850	-122.363	37.71586	1835.74459	0	0	0	RS-700	-0.50873
1851	-122.363	37.71587	1916.06277	0	0	0	RS-700	-0.10914
1852	-122.363	37.71587	1907.86907	0	0	0	RS-700	-0.14991
1853	-122.363	37.71587	1931.2987	0	0	0	RS-700	-0.03334
1854	-122.363	37.71587	1864.9427	0	0	0	RS-700	-0.36347
1855	-122.363	37.71588	2024.81929	0	0	0	RS-700	0.431937
1856	-122.363	37.71588	1972.81445	0	0	0	RS-700	0.173206
1857	-122.363	37.71588	1967.79193	0	0	0	RS-700	0.148219
1858	-122.363	37.71588	2016.61482	0	0	0	RS-700	0.391119
1859	-122.363	37.71589	2027.81347	0	0	0	RS-700	0.446833
1860	-122.363	37.71589	1985.8033	0	0	0	RS-700	0.237827
1861	-122.363	37.71589	1971.70181	0	0	0	RS-700	0.167671
1862	-122.363	37.71589	2004.50703	0	0	0	RS-700	0.330881
1863	-122.363	37.7159	1961.49938	0	0	0	RS-700	0.116912
1864	-122.363	37.7159	1982.30222	0	0	0	RS-700	0.220409
1865	-122.363	37.7159	1923.76647	0	0	0	RS-700	-0.07081
1866	-122.363	37.7159	1996.80939	0	0	0	RS-700	0.292584
1867	-122.363	37.7159	1950.45406	0	0	0	RS-700	0.06196
1868	-122.363	37.71591	1984.7966	0	0	0	RS-700	0.232819
1869	-122.363	37.71591	1986.8047	0	0	0	RS-700	0.242809
1870	-122.363	37.71591	2012.62027	0	0	0	RS-700	0.371245
1871	-122.363	37.71591	2059.1418	0	0	0	RS-700	0.602696
1872	-122.363	37.71591	2092.63778	0	0	0	RS-700	0.769342
1873	-122.363	37.71592	2081.73779	0	0	0	RS-700	0.715113
1874	-122.363	37.71592	2033.72443	0	0	0	RS-700	0.476241
1875	-122.363	37.71592	2042.63832	0	0	0	RS-700	0.520589
1876	-122.363	37.71592	2041.03561	0	0	0	RS-700	0.512615
1877	-122.363	37.71593	2054.31786	0	0	0	RS-700	0.578696
1878	-122.363	37.71593	2079.9498	0	0	0	RS-700	0.706218
1879	-122.363	37.71593	2102.43662	0	0	0	RS-700	0.818093
1880	-122.363	37.71593	2090.74475	0	0	0	RS-700	0.759924
1881	-122.363	37.71593	2046.72444	0	0	0	RS-700	0.540918
1882	-122.363	37.71594	1996.90911	0	0	0	RS-700	0.29308
1883	-122.363	37.71594	2061.62802	0	0	0	RS-700	0.615065
1884	-122.363	37.71594	2062.14009	0	0	0	RS-700	0.617612
1885	-122.363	37.71594	2070.58631	0	0	0	RS-700	0.659633
1886	-122.363	37.71595	2063.62831	0	0	0	RS-700	0.625016
1887	-122.363	37.71595	2109.07984	0	0	0	RS-700	0.851143
1888	-122.363	37.71595	2092.05681	0	0	0	RS-700	0.766452
1889	-122.363	37.71595	2110.0549	0	0	0	RS-700	0.855995

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1890	-122.363	37.71596	2080.43482	0	0	0	RS-700	0.708631
1891	-122.363	37.71596	2142.42431	0	0	0	RS-700	1.017036
1892	-122.363	37.71596	2112.32337	0	0	0	RS-700	0.86728
1893	-122.363	37.71596	2092.53417	0	0	0	RS-700	0.768827
1894	-122.363	37.71597	2080.32481	0	0	0	RS-700	0.708084
1895	-122.363	37.71597	2031.93002	0	0	0	RS-700	0.467314
1896	-122.363	37.71597	1975.69467	0	0	0	RS-700	0.187536
1897	-122.363	37.71597	1983.50947	0	0	0	RS-700	0.226415
1898	-122.363	37.71598	2010.91824	0	0	0	RS-700	0.362777
1899	-122.363	37.71598	1974.99482	0	0	0	RS-700	0.184054
1900	-122.363	37.71598	1980.5124	0	0	0	RS-700	0.211504
1901	-122.363	37.71598	2049.25378	0	0	0	RS-700	0.553501
1902	-122.363	37.71598	2067.93871	0	0	0	RS-700	0.646461
1903	-122.363	37.71599	1997.31281	0	0	0	RS-700	0.295089
1904	-122.363	37.71599	2092.27227	0	0	0	RS-700	0.767524
1905	-122.363	37.71599	2036.03029	0	0	0	RS-700	0.487713
1906	-122.363	37.71599	2027.12981	0	0	0	RS-700	0.443432
1907	-122.363	37.716	2069.84484	0	0	0	RS-700	0.655944
1908	-122.363	37.716	2043.72596	0	0	0	RS-700	0.526
1909	-122.363	37.716	1954.99194	0	0	0	RS-700	0.084537
1910	-122.363	37.716	2106.43209	0	0	0	RS-700	0.837971
1911	-122.363	37.71601	2012.81403	0	0	0	RS-700	0.372209
1912	-122.363	37.71601	2037.41637	0	0	0	RS-700	0.494609
1913	-122.363	37.71601	1728.52822	0	0	0	RS-700	-1.04215
1914	-122.363	37.71602	1487.22695	0	0	0	RS-700	-2.24265
1915	-122.363	37.71602	1681.94077	0	0	0	RS-700	-1.27393
1916	-122.363	37.71602	1986.70477	0	0	0	RS-700	0.242312
1917	-122.363	37.71602	2023.44573	0	0	0	RS-700	0.425103
1918	-122.363	37.71603	1911.67808	0	0	0	RS-700	-0.13095
1919	-122.363	37.71603	1808.72147	0	0	0	RS-700	-0.64318
1920	-122.363	37.71603	1530.31486	0	0	0	RS-700	-2.02828
1921	-122.363	37.71603	1462.77447	0	0	0	RS-700	-2.36431
1922	-122.363	37.71604	1527.66215	0	0	0	RS-700	-2.04148
1923	-122.363	37.71604	1811.3574	0	0	0	RS-700	-0.63006
1924	-122.363	37.71604	1898.30797	0	0	0	RS-700	-0.19747
1925	-122.363	37.71604	1936.98171	0	0	0	RS-700	-0.00507
1926	-122.363	37.71605	1878.66495	0	0	0	RS-700	-0.2952
1927	-122.363	37.71605	1449.29844	0	0	0	RS-700	-2.43135
1928	-122.363	37.71605	1063.21873	0	0	0	RS-700	-4.35215
1929	-122.363	37.71605	1007.15756	0	0	0	RS-700	-4.63106
1930	-122.363	37.71606	1099.38387	0	0	0	RS-700	-4.17222
1931	-122.363	37.71606	1529.46244	0	0	0	RS-700	-2.03253
1932	-122.363	37.71606	1838.10349	0	0	0	RS-700	-0.497
1933	-122.363	37.71606	1988.6064	0	0	0	RS-700	0.251773
1934	-122.363	37.71606	1969.5994	0	0	0	RS-700	0.157211

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1935	-122.363	37.71606	1970.7862	0	0	0	RS-700	0.163115
1936	-122.363	37.71606	2031.72211	0	0	0	RS-700	0.466279
1937	-122.363	37.71607	1953.79007	0	0	0	RS-700	0.078558
1938	-122.363	37.71607	1913.78058	0	0	0	RS-700	-0.12049
1939	-122.363	37.71607	1977.00771	0	0	0	RS-700	0.194068
1940	-122.363	37.71607	1959.59977	0	0	0	RS-700	0.107462
1941	-122.363	37.71608	1916.96599	0	0	0	RS-700	-0.10465
1942	-122.363	37.71608	1866.65515	0	0	0	RS-700	-0.35495
1943	-122.363	37.71608	2027.75213	0	0	0	RS-700	0.446528
1944	-122.363	37.71608	2141.74735	0	0	0	RS-700	1.013668
1945	-122.363	37.71609	2078.73474	0	0	0	RS-700	0.700173
1946	-122.363	37.71609	2171.10614	0	0	0	RS-700	1.159732
1947	-122.363	37.71609	2195.12081	0	0	0	RS-700	1.279208
1948	-122.363	37.71609	2094.1661	0	0	0	RS-700	0.776946
1949	-122.363	37.7161	2123.98956	0	0	0	RS-700	0.925321
1950	-122.363	37.7161	2168.87758	0	0	0	RS-700	1.148645
1951	-122.363	37.7161	2182.98734	0	0	0	RS-700	1.218842
1952	-122.363	37.7161	2123.64335	0	0	0	RS-700	0.923599
1953	-122.363	37.7161	2195.10754	0	0	0	RS-700	1.279142
1954	-122.363	37.7161	2141.65185	0	0	0	RS-700	1.013193
1955	-122.363	37.71611	2163.39721	0	0	0	RS-700	1.121379
1956	-122.363	37.71611	2213.12267	0	0	0	RS-700	1.36877
1957	-122.363	37.71611	2064.52589	0	0	0	RS-700	0.629482
1958	-122.363	37.71611	2151.49309	0	0	0	RS-700	1.062155
1959	-122.363	37.71611	2085.53028	0	0	0	RS-700	0.733981
1960	-122.363	37.71611	2132.75715	0	0	0	RS-700	0.968941
1961	-122.363	37.71611	2066.62782	0	0	0	RS-700	0.639939
1962	-122.363	37.71611	2122.85679	0	0	0	RS-700	0.919686
1963	-122.363	37.71611	2070.63118	0	0	0	RS-700	0.659857
1964	-122.363	37.71611	2145.76461	0	0	0	RS-700	1.033655
1965	-122.363	37.71611	2136.85476	0	0	0	RS-700	0.989327
1966	-122.363	37.71611	2104.64108	0	0	0	RS-700	0.82906
1967	-122.363	37.71611	2015.51486	0	0	0	RS-700	0.385646
1968	-122.363	37.71611	2083.2736	0	0	0	RS-700	0.722754
1969	-122.363	37.71611	2170.09732	0	0	0	RS-700	1.154713
1970	-122.363	37.71611	2192.78058	0	0	0	RS-700	1.267565
1971	-122.363	37.71611	2110.21812	0	0	0	RS-700	0.856807
1972	-122.363	37.71611	2132.09021	0	0	0	RS-700	0.965623
1973	-122.363	37.71611	2156.65666	0	0	0	RS-700	1.087844
1974	-122.363	37.71611	2116.18013	0	0	0	RS-700	0.886468
1975	-122.363	37.71611	2180.88607	0	0	0	RS-700	1.208388
1976	-122.363	37.71611	2086.85616	0	0	0	RS-700	0.740578
1977	-122.363	37.71611	2240.13014	0	0	0	RS-700	1.503135
1978	-122.363	37.71611	2120.6464	0	0	0	RS-700	0.908689
1979	-122.363	37.71611	2174.3184	0	0	0	RS-700	1.175713

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
1980	-122.363	37.71611	2069.3065	0	0	0	RS-700	0.653266
1981	-122.363	37.71611	2115.07399	0	0	0	RS-700	0.880965
1982	-122.363	37.71611	2169.77558	0	0	0	RS-700	1.153112
1983	-122.363	37.71611	2175.12415	0	0	0	RS-700	1.179722
1984	-122.363	37.71611	2136.29014	0	0	0	RS-700	0.986518
1985	-122.363	37.71611	2149.08362	0	0	0	RS-700	1.050167
1986	-122.363	37.71611	2086.84621	0	0	0	RS-700	0.740528
1987	-122.363	37.71611	1976.70092	0	0	0	RS-700	0.192542
1988	-122.363	37.71611	1858.37978	0	0	0	RS-700	-0.39612
1989	-122.363	37.71612	1843.75415	0	0	0	RS-700	-0.46888
1990	-122.363	37.71612	1810.46228	0	0	0	RS-700	-0.63452
1991	-122.363	37.71612	1744.44199	0	0	0	RS-700	-0.96298
1992	-122.363	37.71612	1735.51946	0	0	0	RS-700	-1.00737
1993	-122.363	37.71612	1663.33256	0	0	0	RS-700	-1.3665
1994	-122.363	37.71612	1732.4397	0	0	0	RS-700	-1.02269
1995	-122.363	37.71612	1690.35538	0	0	0	RS-700	-1.23206
1996	-122.363	37.71612	1720.44447	0	0	0	RS-700	-1.08237
1997	-122.363	37.71612	1673.49984	0	0	0	RS-700	-1.31592
1998	-122.363	37.71612	1741.78552	0	0	0	RS-700	-0.97619
1999	-122.363	37.71612	1729.52101	0	0	0	RS-700	-1.03721
2000	-122.363	37.71612	1694.6763	0	0	0	RS-700	-1.21057
2001	-122.363	37.71612	1669.83336	0	0	0	RS-700	-1.33416
2002	-122.363	37.71612	1758.53231	0	0	0	RS-700	-0.89287
2003	-122.363	37.71612	1758.79253	0	0	0	RS-700	-0.89158
2004	-122.363	37.71612	1708.43733	0	0	0	RS-700	-1.1421
2005	-122.363	37.71612	1741.81972	0	0	0	RS-700	-0.97602
2006	-122.363	37.71612	1701.63323	0	0	0	RS-700	-1.17595
2007	-122.363	37.71612	1504.53653	0	0	0	RS-700	-2.15653
2008	-122.363	37.71612	1380.48836	0	0	0	RS-700	-2.77369
2009	-122.363	37.71612	1314.13762	0	0	0	RS-700	-3.10379
2010	-122.363	37.71612	1339.4179	0	0	0	RS-700	-2.97802
2011	-122.363	37.71612	1279.45567	0	0	0	RS-700	-3.27634
2012	-122.363	37.71612	1242.50665	0	0	0	RS-700	-3.46017
2013	-122.363	37.71612	1164.29238	0	0	0	RS-700	-3.84929
2014	-122.363	37.71612	1010.25958	0	0	0	RS-700	-4.61562
2015	-122.363	37.71613	1067.25651	0	0	0	RS-700	-4.33206
2016	-122.363	37.71613	1220.12549	0	0	0	RS-700	-3.57151
2017	-122.363	37.71613	1272.32468	0	0	0	RS-700	-3.31182
2018	-122.363	37.71613	1321.46962	0	0	0	RS-700	-3.06732
2019	-122.363	37.71613	1499.68523	0	0	0	RS-700	-2.18067
2020	-122.363	37.71613	1572.48063	0	0	0	RS-700	-1.8185
2021	-122.363	37.71613	1743.18088	0	0	0	RS-700	-0.96925
2022	-122.363	37.71613	1697.60117	0	0	0	RS-700	-1.19601
2023	-122.363	37.71613	1649.34408	0	0	0	RS-700	-1.4361
2024	-122.363	37.71613	1626.57573	0	0	0	RS-700	-1.54937

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2025	-122.363	37.71613	1590.40612	0	0	0	RS-700	-1.72932
2026	-122.363	37.71613	1619.73529	0	0	0	RS-700	-1.58341
2027	-122.363	37.71614	1604.32716	0	0	0	RS-700	-1.66006
2028	-122.363	37.71614	1554.62905	0	0	0	RS-700	-1.90732
2029	-122.363	37.71614	1620.65231	0	0	0	RS-700	-1.57884
2030	-122.363	37.71614	1601.46509	0	0	0	RS-700	-1.6743
2031	-122.363	37.71614	1604.13087	0	0	0	RS-700	-1.66104
2032	-122.363	37.71614	1638.41692	0	0	0	RS-700	-1.49046
2033	-122.363	37.71614	1658.91215	0	0	0	RS-700	-1.3885
2034	-122.363	37.71614	1659.42535	0	0	0	RS-700	-1.38594
2035	-122.363	37.71614	1641.50271	0	0	0	RS-700	-1.47511
2036	-122.363	37.71614	1613.65441	0	0	0	RS-700	-1.61366
2037	-122.363	37.71614	1616.25205	0	0	0	RS-700	-1.60074
2038	-122.363	37.71614	1719.35604	0	0	0	RS-700	-1.08778
2039	-122.363	37.71614	1663.50688	0	0	0	RS-700	-1.36564
2040	-122.363	37.71614	1706.60661	0	0	0	RS-700	-1.15121
2041	-122.363	37.71614	1709.69146	0	0	0	RS-700	-1.13586
2042	-122.363	37.71614	1832.35956	0	0	0	RS-700	-0.52557
2043	-122.363	37.71614	1839.66554	0	0	0	RS-700	-0.48923
2044	-122.363	37.71614	1911.57931	0	0	0	RS-700	-0.13145
2045	-122.363	37.71614	1947.39929	0	0	0	RS-700	0.046763
2046	-122.363	37.71615	1937.49758	0	0	0	RS-700	-0.0025
2047	-122.363	37.71615	1921.58476	0	0	0	RS-700	-0.08167
2048	-122.363	37.71615	1929.38238	0	0	0	RS-700	-0.04287
2049	-122.363	37.71615	1960.90284	0	0	0	RS-700	0.113944
2050	-122.363	37.71615	1959.20455	0	0	0	RS-700	0.105495
2051	-122.363	37.71615	1949.59314	0	0	0	RS-700	0.057677
2052	-122.363	37.71615	2041.5185	0	0	0	RS-700	0.515017
2053	-122.363	37.71615	1959.69519	0	0	0	RS-700	0.107936
2054	-122.363	37.71615	1989.805	0	0	0	RS-700	0.257736
2055	-122.363	37.71615	1981.62071	0	0	0	RS-700	0.217018
2056	-122.363	37.71615	1978.39982	0	0	0	RS-700	0.200994
2057	-122.363	37.71616	1950.18795	0	0	0	RS-700	0.060637
2058	-122.363	37.71616	2008.91419	0	0	0	RS-700	0.352807
2059	-122.363	37.71616	1994.50595	0	0	0	RS-700	0.281124
2060	-122.363	37.71616	2001.73295	0	0	0	RS-700	0.317079
2061	-122.363	37.71616	1905.87012	0	0	0	RS-700	-0.15985
2062	-122.363	37.71616	1938.78614	0	0	0	RS-700	0.003911
2063	-122.363	37.71616	1952.68089	0	0	0	RS-700	0.073039
2064	-122.363	37.71616	1883.87996	0	0	0	RS-700	-0.26925
2065	-122.363	37.71617	2036.42482	0	0	0	RS-700	0.489676
2066	-122.363	37.71617	2045.51836	0	0	0	RS-700	0.534917
2067	-122.363	37.71617	2053.3434	0	0	0	RS-700	0.573848
2068	-122.363	37.71617	1967.71284	0	0	0	RS-700	0.147825
2069	-122.363	37.71617	1954.69012	0	0	0	RS-700	0.083035



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2070	-122.363	37.71617	1930.97513	0	0	0	RS-700	-0.03495
2071	-122.363	37.71617	1961.50212	0	0	0	RS-700	0.116926
2072	-122.363	37.71617	1994.99693	0	0	0	RS-700	0.283567
2073	-122.363	37.71617	2007.51207	0	0	0	RS-700	0.345831
2074	-122.363	37.71617	2050.33721	0	0	0	RS-700	0.558892
2075	-122.363	37.71617	1921.96912	0	0	0	RS-700	-0.07976
2076	-122.363	37.71617	2133.86575	0	0	0	RS-700	0.974456
2077	-122.363	37.71618	2054.52708	0	0	0	RS-700	0.579737
2078	-122.363	37.71618	2057.83968	0	0	0	RS-700	0.596217
2079	-122.363	37.71618	2062.24786	0	0	0	RS-700	0.618149
2080	-122.363	37.71618	2071.52853	0	0	0	RS-700	0.664321
2081	-122.363	37.71618	2033.82686	0	0	0	RS-700	0.476751
2082	-122.363	37.71618	2104.85672	0	0	0	RS-700	0.830133
2083	-122.363	37.71619	2075.84661	0	0	0	RS-700	0.685804
2084	-122.363	37.71619	2087.15943	0	0	0	RS-700	0.742087
2085	-122.363	37.71619	2028.92714	0	0	0	RS-700	0.452374
2086	-122.363	37.71619	2121.28732	0	0	0	RS-700	0.911877
2087	-122.363	37.71619	2015.51367	0	0	0	RS-700	0.38564
2088	-122.363	37.71619	1985.10312	0	0	0	RS-700	0.234344
2089	-122.363	37.71619	2123.96474	0	0	0	RS-700	0.925198
2090	-122.363	37.71619	2069.73992	0	0	0	RS-700	0.655422
2091	-122.363	37.71619	2080.63385	0	0	0	RS-700	0.709621
2092	-122.363	37.71619	2113.64542	0	0	0	RS-700	0.873858
2093	-122.363	37.71619	2086.74046	0	0	0	RS-700	0.740002
2094	-122.363	37.71619	2079.94477	0	0	0	RS-700	0.706193
2095	-122.363	37.71619	2121.17457	0	0	0	RS-700	0.911316
2096	-122.363	37.71619	2107.44236	0	0	0	RS-700	0.842997
2097	-122.363	37.71619	2115.17313	0	0	0	RS-700	0.881458
2098	-122.363	37.71619	2024.42861	0	0	0	RS-700	0.429993
2099	-122.363	37.71619	2164.65902	0	0	0	RS-700	1.127657
2100	-122.363	37.71619	2079.15617	0	0	0	RS-700	0.70227
2101	-122.363	37.71619	2117.85025	0	0	0	RS-700	0.894777
2102	-122.363	37.71619	2111.7534	0	0	0	RS-700	0.864445
2103	-122.363	37.71619	2125.97104	0	0	0	RS-700	0.935179
2104	-122.363	37.71619	2158.09531	0	0	0	RS-700	1.095002
2105	-122.363	37.71619	2104.11534	0	0	0	RS-700	0.826444
2106	-122.363	37.71619	2034.42309	0	0	0	RS-700	0.479717
2107	-122.363	37.71619	2054.72784	0	0	0	RS-700	0.580736
2108	-122.363	37.71619	2054.5247	0	0	0	RS-700	0.579725
2109	-122.363	37.71619	2040.81717	0	0	0	RS-700	0.511528
2110	-122.363	37.71619	2055.04856	0	0	0	RS-700	0.582331
2111	-122.363	37.71619	2031.72107	0	0	0	RS-700	0.466274
2112	-122.363	37.71619	1999.22608	0	0	0	RS-700	0.304607
2113	-122.363	37.71619	2094.15821	0	0	0	RS-700	0.776907
2114	-122.363	37.71619	2168.55735	0	0	0	RS-700	1.147051

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2115	-122.363	37.7162	2160.07817	0	0	0	RS-700	1.104867
2116	-122.363	37.7162	2077.15759	0	0	0	RS-700	0.692326
2117	-122.363	37.7162	2183.44757	0	0	0	RS-700	1.221132
2118	-122.363	37.7162	2079.32824	0	0	0	RS-700	0.703126
2119	-122.363	37.7162	2140.07625	0	0	0	RS-700	1.005354
2120	-122.363	37.7162	2158.98774	0	0	0	RS-700	1.099441
2121	-122.363	37.7162	2089.52845	0	0	0	RS-700	0.753873
2122	-122.363	37.7162	2046.62497	0	0	0	RS-700	0.540423
2123	-122.363	37.7162	2127.43331	0	0	0	RS-700	0.942454
2124	-122.363	37.7162	2106.43103	0	0	0	RS-700	0.837965
2125	-122.363	37.7162	2039.51684	0	0	0	RS-700	0.505059
2126	-122.363	37.71621	2091.42844	0	0	0	RS-700	0.763326
2127	-122.363	37.71621	2153.08704	0	0	0	RS-700	1.070085
2128	-122.363	37.71621	2102.64355	0	0	0	RS-700	0.819122
2129	-122.363	37.71621	2182.67826	0	0	0	RS-700	1.217305
2130	-122.363	37.71621	2070.83155	0	0	0	RS-700	0.660853
2131	-122.363	37.71621	2049.72824	0	0	0	RS-700	0.555862
2132	-122.363	37.71621	2223.57261	0	0	0	RS-700	1.420759
2133	-122.363	37.71621	2139.43589	0	0	0	RS-700	1.002169
2134	-122.363	37.71621	2071.05031	0	0	0	RS-700	0.661942
2135	-122.363	37.71621	2214.8965	0	0	0	RS-700	1.377595
2136	-122.363	37.71621	2086.53029	0	0	0	RS-700	0.738957
2137	-122.363	37.71621	2098.53352	0	0	0	RS-700	0.798674
2138	-122.363	37.71621	2090.15274	0	0	0	RS-700	0.756979
2139	-122.363	37.71621	2052.52815	0	0	0	RS-700	0.569792
2140	-122.363	37.71621	2128.76198	0	0	0	RS-700	0.949065
2141	-122.363	37.71621	2077.74003	0	0	0	RS-700	0.695224
2142	-122.363	37.71621	1998.61023	0	0	0	RS-700	0.301543
2143	-122.363	37.71621	2140.65443	0	0	0	RS-700	1.008231
2144	-122.363	37.71621	2131.3272	0	0	0	RS-700	0.961827
2145	-122.363	37.71621	2071.75671	0	0	0	RS-700	0.665456
2146	-122.363	37.71621	2089.63723	0	0	0	RS-700	0.754414
2147	-122.363	37.71621	2116.10382	0	0	0	RS-700	0.886089
2148	-122.363	37.71621	2071.31917	0	0	0	RS-700	0.663279
2149	-122.363	37.71621	2134.85983	0	0	0	RS-700	0.979402
2150	-122.363	37.71621	2187.13237	0	0	0	RS-700	1.239465
2151	-122.363	37.71621	2083.1589	0	0	0	RS-700	0.722184
2152	-122.363	37.71621	2023.72104	0	0	0	RS-700	0.426473
2153	-122.363	37.71621	2084.83173	0	0	0	RS-700	0.730506
2154	-122.363	37.71621	2129.86964	0	0	0	RS-700	0.954575
2155	-122.363	37.71621	2050.52608	0	0	0	RS-700	0.559831
2156	-122.363	37.71621	2071.94608	0	0	0	RS-700	0.666398
2157	-122.363	37.71621	2160.87497	0	0	0	RS-700	1.108831
2158	-122.363	37.71621	2093.83482	0	0	0	RS-700	0.775298
2159	-122.363	37.71621	2119.534	0	0	0	RS-700	0.903154

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2160	-122.363	37.71621	2028.518	0	0	0	RS-700	0.450338
2161	-122.363	37.71621	2005.61253	0	0	0	RS-700	0.336381
2162	-122.363	37.71621	2094.47877	0	0	0	RS-700	0.778501
2163	-122.363	37.71621	2072.14936	0	0	0	RS-700	0.66741
2164	-122.363	37.71621	2088.84346	0	0	0	RS-700	0.750465
2165	-122.363	37.71621	2117.75473	0	0	0	RS-700	0.894302
2166	-122.363	37.71621	2014.8116	0	0	0	RS-700	0.382147
2167	-122.363	37.71621	2123.2849	0	0	0	RS-700	0.921815
2168	-122.363	37.71621	2045.52185	0	0	0	RS-700	0.534935
2169	-122.363	37.71621	2065.84585	0	0	0	RS-700	0.636049
2170	-122.363	37.71621	2136.17671	0	0	0	RS-700	0.985954
2171	-122.363	37.71621	2088.74186	0	0	0	RS-700	0.74996
2172	-122.363	37.71621	2092.32631	0	0	0	RS-700	0.767793
2173	-122.363	37.71621	2063.73134	0	0	0	RS-700	0.625529
2174	-122.363	37.71621	2105.06931	0	0	0	RS-700	0.831191
2175	-122.363	37.71621	2104.6414	0	0	0	RS-700	0.829062
2176	-122.363	37.71621	2030.70303	0	0	0	RS-700	0.461209
2177	-122.363	37.71621	2087.63601	0	0	0	RS-700	0.744458
2178	-122.363	37.71621	1999.80979	0	0	0	RS-700	0.307511
2179	-122.363	37.71621	2057.24616	0	0	0	RS-700	0.593264
2180	-122.363	37.71621	2062.62876	0	0	0	RS-700	0.620044
2181	-122.363	37.71621	2010.99214	0	0	0	RS-700	0.363145
2182	-122.363	37.71621	2083.74196	0	0	0	RS-700	0.725084
2183	-122.363	37.71621	2032.11794	0	0	0	RS-700	0.468248
2184	-122.363	37.71621	2078.73448	0	0	0	RS-700	0.700172
2185	-122.363	37.71621	2079.4238	0	0	0	RS-700	0.703601
2186	-122.363	37.71621	2055.83339	0	0	0	RS-700	0.586236
2187	-122.363	37.71621	1970.8899	0	0	0	RS-700	0.163631
2188	-122.363	37.71621	2017.71476	0	0	0	RS-700	0.396591
2189	-122.363	37.71621	2045.62524	0	0	0	RS-700	0.535449
2190	-122.363	37.71621	2067.73857	0	0	0	RS-700	0.645466
2191	-122.363	37.71621	2033.53648	0	0	0	RS-700	0.475306
2192	-122.363	37.71621	1967.69833	0	0	0	RS-700	0.147753
2193	-122.363	37.71621	2068.93916	0	0	0	RS-700	0.651439
2194	-122.363	37.71621	1915.58944	0	0	0	RS-700	-0.1115
2195	-122.363	37.71621	2110.95821	0	0	0	RS-700	0.860489
2196	-122.363	37.71621	2060.64162	0	0	0	RS-700	0.610157
2197	-122.363	37.71621	2081.36657	0	0	0	RS-700	0.713267
2198	-122.363	37.71622	1963.58925	0	0	0	RS-700	0.12731
2199	-122.363	37.71622	2002.21836	0	0	0	RS-700	0.319494
2200	-122.363	37.71622	2024.41478	0	0	0	RS-700	0.429924
2201	-122.363	37.71622	2088.95627	0	0	0	RS-700	0.751026
2202	-122.363	37.71622	2020.31866	0	0	0	RS-700	0.409546
2203	-122.363	37.71622	2095.74621	0	0	0	RS-700	0.784807
2204	-122.363	37.71622	2020.41496	0	0	0	RS-700	0.410025

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2205	-122.363	37.71622	2068.76452	0	0	0	RS-700	0.65057
2206	-122.363	37.71622	2047.82595	0	0	0	RS-700	0.546398
2207	-122.363	37.71622	1966.501	0	0	0	RS-700	0.141796
2208	-122.363	37.71622	2032.41774	0	0	0	RS-700	0.46974
2209	-122.363	37.71622	2054.43502	0	0	0	RS-700	0.579279
2210	-122.363	37.71622	2082.36875	0	0	0	RS-700	0.718252
2211	-122.363	37.71622	2065.85565	0	0	0	RS-700	0.636098
2212	-122.363	37.71622	2071.42428	0	0	0	RS-700	0.663802
2213	-122.363	37.71622	2025.89957	0	0	0	RS-700	0.437311
2214	-122.363	37.71622	2048.73083	0	0	0	RS-700	0.5509
2215	-122.363	37.71622	2101.9425	0	0	0	RS-700	0.815634
2216	-122.363	37.71622	2111.64462	0	0	0	RS-700	0.863904
2217	-122.363	37.71622	2042.02257	0	0	0	RS-700	0.517525
2218	-122.363	37.71622	2032.93096	0	0	0	RS-700	0.472293
2219	-122.363	37.71622	2154.16515	0	0	0	RS-700	1.075449
2220	-122.363	37.71622	2047.13567	0	0	0	RS-700	0.542964
2221	-122.363	37.71622	2063.72995	0	0	0	RS-700	0.625522
2222	-122.363	37.71622	2075.62806	0	0	0	RS-700	0.684717
2223	-122.363	37.71622	2133.64789	0	0	0	RS-700	0.973373
2224	-122.363	37.71622	2055.63513	0	0	0	RS-700	0.585249
2225	-122.363	37.71622	2041.74023	0	0	0	RS-700	0.516121
2226	-122.363	37.71622	2120.64792	0	0	0	RS-700	0.908696
2227	-122.363	37.71622	2100.84597	0	0	0	RS-700	0.810179
2228	-122.363	37.71622	2033.61479	0	0	0	RS-700	0.475695
2229	-122.363	37.71622	2084.42476	0	0	0	RS-700	0.728481
2230	-122.363	37.71622	2074.25634	0	0	0	RS-700	0.677892
2231	-122.363	37.71622	2042.33985	0	0	0	RS-700	0.519104
2232	-122.363	37.71622	2045.52359	0	0	0	RS-700	0.534943
2233	-122.363	37.71622	2074.73818	0	0	0	RS-700	0.680289
2234	-122.363	37.71622	2064.62118	0	0	0	RS-700	0.629956
2235	-122.363	37.71622	2084.32328	0	0	0	RS-700	0.727977
2236	-122.363	37.71622	2012.11663	0	0	0	RS-700	0.368739
2237	-122.363	37.71623	2069.35409	0	0	0	RS-700	0.653503
2238	-122.363	37.71623	2031.51403	0	0	0	RS-700	0.465244
2239	-122.363	37.71623	2160.88887	0	0	0	RS-700	1.1089
2240	-122.363	37.71623	2056.55995	0	0	0	RS-700	0.58985
2241	-122.363	37.71623	2101.16458	0	0	0	RS-700	0.811764
2242	-122.363	37.71623	1999.59609	0	0	0	RS-700	0.306448
2243	-122.363	37.71623	1967.31189	0	0	0	RS-700	0.14583
2244	-122.363	37.71624	2071.56769	0	0	0	RS-700	0.664516
2245	-122.363	37.71624	2061.63109	0	0	0	RS-700	0.61508
2246	-122.363	37.71624	1990.40818	0	0	0	RS-700	0.260737
2247	-122.363	37.71624	1984.50949	0	0	0	RS-700	0.23139
2248	-122.363	37.71624	2003.80975	0	0	0	RS-700	0.327412
2249	-122.363	37.71624	2049.626	0	0	0	RS-700	0.555353

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2250	-122.363	37.71624	2092.11506	0	0	0	RS-700	0.766742
2251	-122.363	37.71625	1997.90416	0	0	0	RS-700	0.298031
2252	-122.363	37.71625	2019.51299	0	0	0	RS-700	0.405537
2253	-122.363	37.71625	2011.01355	0	0	0	RS-700	0.363251
2254	-122.363	37.71625	2006.90299	0	0	0	RS-700	0.342801
2255	-122.363	37.71625	2024.60672	0	0	0	RS-700	0.430879
2256	-122.363	37.71625	2019.92985	0	0	0	RS-700	0.407611
2257	-122.363	37.71625	1998.60855	0	0	0	RS-700	0.301535
2258	-122.363	37.71626	1969.49694	0	0	0	RS-700	0.156701
2259	-122.363	37.71626	2022.23232	0	0	0	RS-700	0.419066
2260	-122.363	37.71626	1948.69351	0	0	0	RS-700	0.053202
2261	-122.363	37.71626	2000.10283	0	0	0	RS-700	0.308969
2262	-122.363	37.71626	1911.86702	0	0	0	RS-700	-0.13001
2263	-122.363	37.71626	1955.98619	0	0	0	RS-700	0.089484
2264	-122.363	37.71626	2020.61718	0	0	0	RS-700	0.411031
2265	-122.363	37.71627	1923.87577	0	0	0	RS-700	-0.07027
2266	-122.363	37.71627	2017.3391	0	0	0	RS-700	0.394722
2267	-122.363	37.71627	1993.99113	0	0	0	RS-700	0.278563
2268	-122.363	37.71627	2025.82148	0	0	0	RS-700	0.436923
2269	-122.363	37.71627	2100.96371	0	0	0	RS-700	0.810765
2270	-122.363	37.71627	2103.86126	0	0	0	RS-700	0.82518
2271	-122.363	37.71627	2139.40035	0	0	0	RS-700	1.001992
2272	-122.363	37.71627	2053.63168	0	0	0	RS-700	0.575282
2273	-122.363	37.71628	2171.55509	0	0	0	RS-700	1.161966
2274	-122.363	37.71628	2089.95877	0	0	0	RS-700	0.756014
2275	-122.363	37.71628	2099.17167	0	0	0	RS-700	0.801849
2276	-122.363	37.71628	2134.85782	0	0	0	RS-700	0.979392
2277	-122.363	37.71628	2225.22972	0	0	0	RS-700	1.429004
2278	-122.363	37.71628	2140.8736	0	0	0	RS-700	1.009321
2279	-122.363	37.71628	2108.64206	0	0	0	RS-700	0.848965
2280	-122.363	37.71628	2168.99189	0	0	0	RS-700	1.149213
2281	-122.363	37.71628	2125.43715	0	0	0	RS-700	0.932523
2282	-122.363	37.71629	2113.17518	0	0	0	RS-700	0.871518
2283	-122.363	37.71629	2196.88249	0	0	0	RS-700	1.287973
2284	-122.363	37.71629	2263.25528	0	0	0	RS-700	1.618185
2285	-122.363	37.71629	2282.03958	0	0	0	RS-700	1.71164
2286	-122.363	37.71629	2173.56012	0	0	0	RS-700	1.171941
2287	-122.363	37.7163	2208.68023	0	0	0	RS-700	1.346668
2288	-122.363	37.7163	2152.44184	0	0	0	RS-700	1.066875
2289	-122.363	37.7163	2194.00113	0	0	0	RS-700	1.273637
2290	-122.363	37.7163	2114.54212	0	0	0	RS-700	0.878319
2291	-122.363	37.7163	2189.77681	0	0	0	RS-700	1.252621
2292	-122.363	37.7163	2139.08132	0	0	0	RS-700	1.000405
2293	-122.363	37.7163	2094.74845	0	0	0	RS-700	0.779843
2294	-122.363	37.71631	2060.53556	0	0	0	RS-700	0.60963

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2295	-122.363	37.71631	2014.81153	0	0	0	RS-700	0.382147
2296	-122.363	37.71631	2016.62073	0	0	0	RS-700	0.391148
2297	-122.363	37.71631	2011.30939	0	0	0	RS-700	0.364723
2298	-122.363	37.71631	2091.63388	0	0	0	RS-700	0.764348
2299	-122.363	37.71631	1974.60313	0	0	0	RS-700	0.182105
2300	-122.363	37.71632	2004.81959	0	0	0	RS-700	0.332436
2301	-122.363	37.71632	1987.8037	0	0	0	RS-700	0.24778
2302	-122.363	37.71632	2003.99266	0	0	0	RS-700	0.328322
2303	-122.363	37.71632	1951.4987	0	0	0	RS-700	0.067158
2304	-122.363	37.71632	1962.09386	0	0	0	RS-700	0.11987
2305	-122.363	37.71632	1995.40756	0	0	0	RS-700	0.28561
2306	-122.363	37.71633	1977.80172	0	0	0	RS-700	0.198019
2307	-122.363	37.71633	2009.61349	0	0	0	RS-700	0.356286
2308	-122.363	37.71633	1967.70124	0	0	0	RS-700	0.147767
2309	-122.363	37.71633	1943.97809	0	0	0	RS-700	0.029742
2310	-122.363	37.71633	1906.385	0	0	0	RS-700	-0.15729
2311	-122.363	37.71633	1909.96433	0	0	0	RS-700	-0.13948
2312	-122.363	37.71634	1714.87934	0	0	0	RS-700	-1.11005
2313	-122.363	37.71634	1491.39411	0	0	0	RS-700	-2.22192
2314	-122.363	37.71634	1280.00694	0	0	0	RS-700	-3.2736
2315	-122.363	37.71634	1352.2781	0	0	0	RS-700	-2.91404
2316	-122.363	37.71634	1352.14307	0	0	0	RS-700	-2.91471
2317	-122.363	37.71634	1765.53903	0	0	0	RS-700	-0.85801
2318	-122.363	37.71634	1986.60932	0	0	0	RS-700	0.241837
2319	-122.363	37.71635	1997.7055	0	0	0	RS-700	0.297042
2320	-122.363	37.71635	2073.63728	0	0	0	RS-700	0.674812
2321	-122.363	37.71635	1981.40928	0	0	0	RS-700	0.215967
2322	-122.363	37.71635	2154.84827	0	0	0	RS-700	1.078847
2323	-122.363	37.71635	2061.42221	0	0	0	RS-700	0.614041
2324	-122.363	37.71635	1985.70771	0	0	0	RS-700	0.237352
2325	-122.363	37.71636	1983.7299	0	0	0	RS-700	0.227512
2326	-122.363	37.71636	2092.53703	0	0	0	RS-700	0.768841
2327	-122.363	37.71636	2062.0399	0	0	0	RS-700	0.617114
2328	-122.363	37.71636	1996.5054	0	0	0	RS-700	0.291072
2329	-122.363	37.71636	2037.03187	0	0	0	RS-700	0.492696
2330	-122.363	37.71636	2016.72061	0	0	0	RS-700	0.391645
2331	-122.363	37.71637	2174.77079	0	0	0	RS-700	1.177964
2332	-122.363	37.71637	2102.74901	0	0	0	RS-700	0.819647
2333	-122.363	37.71637	2089.84563	0	0	0	RS-700	0.755451
2334	-122.363	37.71637	2018.51657	0	0	0	RS-700	0.40058
2335	-122.363	37.71637	1976.99868	0	0	0	RS-700	0.194023
2336	-122.363	37.71638	2055.15784	0	0	0	RS-700	0.582875
2337	-122.363	37.71638	1929.58849	0	0	0	RS-700	-0.04185
2338	-122.363	37.71638	2034.41301	0	0	0	RS-700	0.479667
2339	-122.363	37.71638	2058.52752	0	0	0	RS-700	0.599639

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2340	-122.363	37.71638	1998.00943	0	0	0	RS-700	0.298554
2341	-122.363	37.71638	2000.61007	0	0	0	RS-700	0.311493
2342	-122.363	37.71639	2000.51096	0	0	0	RS-700	0.311
2343	-122.363	37.71639	2074.95839	0	0	0	RS-700	0.681385
2344	-122.363	37.71639	2028.30877	0	0	0	RS-700	0.449297
2345	-122.363	37.71639	2132.64641	0	0	0	RS-700	0.96839
2346	-122.363	37.71639	2044.93268	0	0	0	RS-700	0.532003
2347	-122.363	37.71639	2069.8382	0	0	0	RS-700	0.655911
2348	-122.363	37.71639	1996.70428	0	0	0	RS-700	0.292061
2349	-122.363	37.7164	2018.51279	0	0	0	RS-700	0.400561
2350	-122.363	37.7164	2113.75288	0	0	0	RS-700	0.874392
2351	-122.363	37.7164	2038.12419	0	0	0	RS-700	0.49813
2352	-122.363	37.7164	1965.70016	0	0	0	RS-700	0.137812
2353	-122.363	37.7164	2038.92353	0	0	0	RS-700	0.502107
2354	-122.363	37.7164	2029.81595	0	0	0	RS-700	0.456796
2355	-122.363	37.71641	2044.93316	0	0	0	RS-700	0.532006
2356	-122.363	37.71641	2111.65131	0	0	0	RS-700	0.863937
2357	-122.363	37.71641	2041.62012	0	0	0	RS-700	0.515523
2358	-122.363	37.71641	2091.9531	0	0	0	RS-700	0.765936
2359	-122.363	37.71641	2000.80751	0	0	0	RS-700	0.312475
2360	-122.363	37.71641	2026.61947	0	0	0	RS-700	0.440893
2361	-122.363	37.71641	2021.6184	0	0	0	RS-700	0.416012
2362	-122.363	37.71642	2014.00267	0	0	0	RS-700	0.378123
2363	-122.363	37.71642	2072.96378	0	0	0	RS-700	0.671462
2364	-122.363	37.71642	2050.03664	0	0	0	RS-700	0.557396
2365	-122.363	37.71642	2057.73385	0	0	0	RS-700	0.595691
2366	-122.363	37.71642	2057.52859	0	0	0	RS-700	0.59467
2367	-122.363	37.71642	2009.71652	0	0	0	RS-700	0.356799
2368	-122.363	37.71642	2085.84163	0	0	0	RS-700	0.73553
2369	-122.363	37.71642	2049.82103	0	0	0	RS-700	0.556324
2370	-122.363	37.71642	2007.41647	0	0	0	RS-700	0.345356
2371	-122.363	37.71642	2091.74504	0	0	0	RS-700	0.764901
2372	-122.363	37.71643	2072.63366	0	0	0	RS-700	0.669819
2373	-122.363	37.71643	2110.48838	0	0	0	RS-700	0.858151
2374	-122.363	37.71643	2070.52256	0	0	0	RS-700	0.659316
2375	-122.363	37.71643	2044.82119	0	0	0	RS-700	0.531449
2376	-122.363	37.71643	2085.16093	0	0	0	RS-700	0.732144
2377	-122.364	37.71643	2032.92533	0	0	0	RS-700	0.472265
2378	-122.364	37.71644	2073.84484	0	0	0	RS-700	0.675845
2379	-122.364	37.71644	2038.51869	0	0	0	RS-700	0.500093
2380	-122.364	37.71644	2069.05359	0	0	0	RS-700	0.652008
2381	-122.364	37.71644	2099.32135	0	0	0	RS-700	0.802594
2382	-122.364	37.71644	2127.82348	0	0	0	RS-700	0.944395
2383	-122.364	37.71645	2068.73555	0	0	0	RS-700	0.650426
2384	-122.364	37.71645	2018.31345	0	0	0	RS-700	0.399569

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2385	-122.364	37.71645	2018.82061	0	0	0	RS-700	0.402093
2386	-122.364	37.71645	1965.40308	0	0	0	RS-700	0.136334
2387	-122.364	37.71645	2030.8176	0	0	0	RS-700	0.461779
2388	-122.364	37.71645	2017.80588	0	0	0	RS-700	0.397044
2389	-122.364	37.71645	2090.64145	0	0	0	RS-700	0.75941
2390	-122.364	37.71645	2093.84274	0	0	0	RS-700	0.775337
2391	-122.364	37.71645	2066.94737	0	0	0	RS-700	0.641529
2392	-122.364	37.71645	2010.80669	0	0	0	RS-700	0.362222
2393	-122.364	37.71645	2061.94336	0	0	0	RS-700	0.616634
2394	-122.364	37.71646	2058.71815	0	0	0	RS-700	0.600588
2395	-122.364	37.71646	2043.6219	0	0	0	RS-700	0.525482
2396	-122.364	37.71646	2075.94532	0	0	0	RS-700	0.686295
2397	-122.364	37.71646	2093.42743	0	0	0	RS-700	0.773271
2398	-122.364	37.71646	2082.84305	0	0	0	RS-700	0.720612
2399	-122.364	37.71646	2061.1436	0	0	0	RS-700	0.612655
2400	-122.364	37.71646	2134.65429	0	0	0	RS-700	0.97838
2401	-122.364	37.71646	2031.41616	0	0	0	RS-700	0.464757
2402	-122.364	37.71646	1949.59699	0	0	0	RS-700	0.057696
2403	-122.364	37.71646	2023.02121	0	0	0	RS-700	0.422991
2404	-122.364	37.71647	2014.02168	0	0	0	RS-700	0.378217
2405	-122.364	37.71647	1967.69999	0	0	0	RS-700	0.147761
2406	-122.364	37.71647	1929.39618	0	0	0	RS-700	-0.04281
2407	-122.364	37.71647	1990.5039	0	0	0	RS-700	0.261213
2408	-122.364	37.71647	1974.09536	0	0	0	RS-700	0.179579
2409	-122.364	37.71647	1996.6071	0	0	0	RS-700	0.291578
2410	-122.364	37.71647	1942.69216	0	0	0	RS-700	0.023344
2411	-122.364	37.71647	2017.12475	0	0	0	RS-700	0.393655
2412	-122.364	37.71647	2019.92172	0	0	0	RS-700	0.407571
2413	-122.364	37.71647	1916.65945	0	0	0	RS-700	-0.10617
2414	-122.364	37.71647	1973.90573	0	0	0	RS-700	0.178635
2415	-122.364	37.71647	1975.30585	0	0	0	RS-700	0.185601
2416	-122.364	37.71647	2013.63403	0	0	0	RS-700	0.376289
2417	-122.364	37.71647	1960.70717	0	0	0	RS-700	0.112971
2418	-122.364	37.71647	1917.97152	0	0	0	RS-700	-0.09964
2419	-122.364	37.71647	1985.60953	0	0	0	RS-700	0.236863
2420	-122.364	37.71647	1966.89539	0	0	0	RS-700	0.143758
2421	-122.364	37.71647	1902.76838	0	0	0	RS-700	-0.17528
2422	-122.364	37.71647	2006.90452	0	0	0	RS-700	0.342809
2423	-122.364	37.71647	1933.09134	0	0	0	RS-700	-0.02442
2424	-122.364	37.71647	1976.70524	0	0	0	RS-700	0.192563
2425	-122.364	37.71648	1970.62606	0	0	0	RS-700	0.162319
2426	-122.364	37.71648	1984.90073	0	0	0	RS-700	0.233337
2427	-122.364	37.71648	1929.69059	0	0	0	RS-700	-0.04134
2428	-122.364	37.71648	1953.78929	0	0	0	RS-700	0.078554
2429	-122.364	37.71648	1908.19752	0	0	0	RS-700	-0.14827



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2430	-122.364	37.71648	1912.77644	0	0	0	RS-700	-0.12549
2431	-122.364	37.71648	1927.57856	0	0	0	RS-700	-0.05185
2432	-122.364	37.71648	1933.87484	0	0	0	RS-700	-0.02052
2433	-122.364	37.71648	1926.48792	0	0	0	RS-700	-0.05727
2434	-122.364	37.71648	1926.48893	0	0	0	RS-700	-0.05727
2435	-122.364	37.71648	1912.58448	0	0	0	RS-700	-0.12645
2436	-122.364	37.71649	1845.21089	0	0	0	RS-700	-0.46164
2437	-122.364	37.71649	1931.17675	0	0	0	RS-700	-0.03395
2438	-122.364	37.71649	1883.95634	0	0	0	RS-700	-0.26887
2439	-122.364	37.71649	1886.86893	0	0	0	RS-700	-0.25438
2440	-122.364	37.71649	1868.47983	0	0	0	RS-700	-0.34587
2441	-122.364	37.7165	2002.00818	0	0	0	RS-700	0.318449
2442	-122.364	37.7165	1933.78434	0	0	0	RS-700	-0.02097
2443	-122.364	37.7165	2134.95567	0	0	0	RS-700	0.979879
2444	-122.364	37.7165	2072.42453	0	0	0	RS-700	0.668779
2445	-122.364	37.7165	2010.20652	0	0	0	RS-700	0.359236
2446	-122.364	37.7165	2028.62929	0	0	0	RS-700	0.450892
2447	-122.364	37.71651	2021.51421	0	0	0	RS-700	0.415494
2448	-122.364	37.71651	2080.05343	0	0	0	RS-700	0.706733
2449	-122.364	37.71651	2136.66149	0	0	0	RS-700	0.988366
2450	-122.364	37.71651	2157.20333	0	0	0	RS-700	1.090564
2451	-122.364	37.71651	2190.66926	0	0	0	RS-700	1.257061
2452	-122.364	37.71651	2129.65906	0	0	0	RS-700	0.953528
2453	-122.364	37.71651	2113.06631	0	0	0	RS-700	0.870977
2454	-122.364	37.71651	2053.62725	0	0	0	RS-700	0.57526
2455	-122.364	37.71651	2125.28153	0	0	0	RS-700	0.931749
2456	-122.364	37.71651	2161.67667	0	0	0	RS-700	1.112819
2457	-122.364	37.71651	2122.54142	0	0	0	RS-700	0.918117
2458	-122.364	37.71651	2137.08569	0	0	0	RS-700	0.990476
2459	-122.364	37.71651	2146.65382	0	0	0	RS-700	1.038079
2460	-122.364	37.71651	2117.7277	0	0	0	RS-700	0.894168
2461	-122.364	37.71651	2181.19553	0	0	0	RS-700	1.209928
2462	-122.364	37.71651	2164.98332	0	0	0	RS-700	1.12927
2463	-122.364	37.71651	2122.64178	0	0	0	RS-700	0.918616
2464	-122.364	37.71651	2150.30075	0	0	0	RS-700	1.056223
2465	-122.364	37.71651	2107.64114	0	0	0	RS-700	0.843986
2466	-122.364	37.71651	2111.38585	0	0	0	RS-700	0.862616
2467	-122.364	37.71652	2098.95798	0	0	0	RS-700	0.800786
2468	-122.364	37.71652	2133.07851	0	0	0	RS-700	0.97054
2469	-122.364	37.71652	2015.20891	0	0	0	RS-700	0.384124
2470	-122.364	37.71652	2222.79238	0	0	0	RS-700	1.416878
2471	-122.364	37.71652	2136.43243	0	0	0	RS-700	0.987226
2472	-122.364	37.71652	2053.14108	0	0	0	RS-700	0.572841
2473	-122.364	37.71652	2145.30997	0	0	0	RS-700	1.031393
2474	-122.364	37.71653	2098.06038	0	0	0	RS-700	0.79632

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2475	-122.364	37.71652	2135.75571	0	0	0	RS-700	0.983859
2476	-122.364	37.71653	2125.86439	0	0	0	RS-700	0.934649
2477	-122.364	37.71652	2136.76058	0	0	0	RS-700	0.988859
2478	-122.364	37.71653	2074.84186	0	0	0	RS-700	0.680805
2479	-122.364	37.71653	2098.74758	0	0	0	RS-700	0.799739
2480	-122.364	37.71653	2124.06931	0	0	0	RS-700	0.925718
2481	-122.364	37.71653	2101.85159	0	0	0	RS-700	0.815182
2482	-122.364	37.71653	2070.63683	0	0	0	RS-700	0.659885
2483	-122.364	37.71653	2048.13719	0	0	0	RS-700	0.547946
2484	-122.364	37.71653	2108.64973	0	0	0	RS-700	0.849004
2485	-122.364	37.71653	2116.97638	0	0	0	RS-700	0.89043
2486	-122.364	37.71653	2097.08215	0	0	0	RS-700	0.791453
2487	-122.364	37.71653	2078.07073	0	0	0	RS-700	0.696869
2488	-122.364	37.71652	2177.77002	0	0	0	RS-700	1.192886
2489	-122.364	37.71653	2107.53677	0	0	0	RS-700	0.843467
2490	-122.364	37.71653	2142.62929	0	0	0	RS-700	1.018056
2491	-122.364	37.71653	2141.86634	0	0	0	RS-700	1.01426
2492	-122.364	37.71653	2092.0702	0	0	0	RS-700	0.766518
2493	-122.364	37.71653	2049.62901	0	0	0	RS-700	0.555368
2494	-122.364	37.71653	2130.65066	0	0	0	RS-700	0.958461
2495	-122.364	37.71654	2097.53307	0	0	0	RS-700	0.793697
2496	-122.364	37.71654	2086.42767	0	0	0	RS-700	0.738446
2497	-122.364	37.71654	2137.07754	0	0	0	RS-700	0.990436
2498	-122.364	37.71654	2214.13125	0	0	0	RS-700	1.373787
2499	-122.364	37.71655	2149.32781	0	0	0	RS-700	1.051382
2500	-122.364	37.71655	2079.15419	0	0	0	RS-700	0.70226
2501	-122.364	37.71655	2190.53953	0	0	0	RS-700	1.256416
2502	-122.364	37.71655	2116.06997	0	0	0	RS-700	0.88592
2503	-122.364	37.71655	2143.40167	0	0	0	RS-700	1.021899
2504	-122.364	37.71656	2201.2234	0	0	0	RS-700	1.309569
2505	-122.364	37.71656	2213.56389	0	0	0	RS-700	1.370965
2506	-122.364	37.71656	2148.65658	0	0	0	RS-700	1.048043
2507	-122.364	37.71656	2230.90036	0	0	0	RS-700	1.457216
2508	-122.364	37.71656	2191.00064	0	0	0	RS-700	1.25871
2509	-122.364	37.71657	2170.77248	0	0	0	RS-700	1.158072
2510	-122.364	37.71657	2223.90834	0	0	0	RS-700	1.42243
2511	-122.364	37.71657	2229.34097	0	0	0	RS-700	1.449458
2512	-122.364	37.71657	2185.78853	0	0	0	RS-700	1.232779
2513	-122.364	37.71658	2216.80113	0	0	0	RS-700	1.38707
2514	-122.364	37.71658	2091.16242	0	0	0	RS-700	0.762002
2515	-122.364	37.71658	2203.00695	0	0	0	RS-700	1.318443
2516	-122.364	37.71658	2143.78192	0	0	0	RS-700	1.023791
2517	-122.364	37.71658	2244.92177	0	0	0	RS-700	1.526974
2518	-122.364	37.71659	2171.31446	0	0	0	RS-700	1.160768
2519	-122.364	37.71659	2153.87203	0	0	0	RS-700	1.07399

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2520	-122.364	37.71659	2165.34006	0	0	0	RS-700	1.131045
2521	-122.364	37.71659	2169.44357	0	0	0	RS-700	1.151461
2522	-122.364	37.7166	2129.03696	0	0	0	RS-700	0.950433
2523	-122.364	37.7166	2125.86687	0	0	0	RS-700	0.934661
2524	-122.364	37.7166	2167.08357	0	0	0	RS-700	1.139719
2525	-122.364	37.7166	2171.09581	0	0	0	RS-700	1.159681
2526	-122.364	37.71661	2172.96766	0	0	0	RS-700	1.168993
2527	-122.364	37.71661	2161.88424	0	0	0	RS-700	1.113852
2528	-122.364	37.71661	2033.72207	0	0	0	RS-700	0.476229
2529	-122.364	37.71661	2184.65264	0	0	0	RS-700	1.227128
2530	-122.364	37.71661	2137.87057	0	0	0	RS-700	0.994381
2531	-122.364	37.71662	2179.44906	0	0	0	RS-700	1.201239
2532	-122.364	37.71662	2210.0048	0	0	0	RS-700	1.353258
2533	-122.364	37.71662	2210.89411	0	0	0	RS-700	1.357682
2534	-122.364	37.71662	2245.32525	0	0	0	RS-700	1.528981
2535	-122.364	37.71663	2280.81119	0	0	0	RS-700	1.705528
2536	-122.364	37.71663	2204.45306	0	0	0	RS-700	1.325637
2537	-122.364	37.71663	2291.14428	0	0	0	RS-700	1.756937
2538	-122.364	37.71663	2219.79284	0	0	0	RS-700	1.401954
2539	-122.364	37.71664	2303.89847	0	0	0	RS-700	1.82039
2540	-122.364	37.71664	2298.27806	0	0	0	RS-700	1.792428
2541	-122.364	37.71664	2275.26711	0	0	0	RS-700	1.677946
2542	-122.364	37.71664	2317.94316	0	0	0	RS-700	1.890264
2543	-122.364	37.71665	2257.25305	0	0	0	RS-700	1.588324
2544	-122.364	37.71665	2317.21397	0	0	0	RS-700	1.886637
2545	-122.364	37.71665	2244.01978	0	0	0	RS-700	1.522486
2546	-122.364	37.71665	2251.14337	0	0	0	RS-700	1.557927
2547	-122.364	37.71665	2262.80162	0	0	0	RS-700	1.615928
2548	-122.364	37.71666	2278.46685	0	0	0	RS-700	1.693865
2549	-122.364	37.71666	2267.38302	0	0	0	RS-700	1.638721
2550	-122.364	37.71666	2294.93038	0	0	0	RS-700	1.775773
2551	-122.364	37.71666	2107.64292	0	0	0	RS-700	0.843995
2552	-122.364	37.71667	2177.77302	0	0	0	RS-700	1.192901
2553	-122.364	37.71667	2131.07723	0	0	0	RS-700	0.960583
2554	-122.364	37.71667	2141.40546	0	0	0	RS-700	1.011967
2555	-122.364	37.71667	2098.53709	0	0	0	RS-700	0.798692
2556	-122.364	37.71667	2218.56574	0	0	0	RS-700	1.395849
2557	-122.364	37.71667	2200.56071	0	0	0	RS-700	1.306272
2558	-122.364	37.71668	2194.66619	0	0	0	RS-700	1.276946
2559	-122.364	37.71668	2129.64943	0	0	0	RS-700	0.95348
2560	-122.364	37.71668	2123.64589	0	0	0	RS-700	0.923611
2561	-122.364	37.71668	2186.77542	0	0	0	RS-700	1.237689
2562	-122.364	37.71668	2148.86805	0	0	0	RS-700	1.049095
2563	-122.364	37.71667	2146.0854	0	0	0	RS-700	1.035251
2564	-122.364	37.71667	2170.99072	0	0	0	RS-700	1.159158

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2565	-122.364	37.71667	2145.97908	0	0	0	RS-700	1.034722
2566	-122.364	37.71668	2132.0762	0	0	0	RS-700	0.965553
2567	-122.364	37.71668	2159.66268	0	0	0	RS-700	1.102799
2568	-122.364	37.71668	2050.93047	0	0	0	RS-700	0.561843
2569	-122.364	37.71668	2195.21966	0	0	0	RS-700	1.2797
2570	-122.364	37.71668	2253.92001	0	0	0	RS-700	1.571741
2571	-122.364	37.71668	2180.88575	0	0	0	RS-700	1.208387
2572	-122.364	37.71668	2172.66432	0	0	0	RS-700	1.167484
2573	-122.364	37.71668	2160.64024	0	0	0	RS-700	1.107663
2574	-122.364	37.71668	2189.88828	0	0	0	RS-700	1.253176
2575	-122.364	37.71668	2162.22598	0	0	0	RS-700	1.115552
2576	-122.364	37.71668	2188.11112	0	0	0	RS-700	1.244334
2577	-122.364	37.71668	2168.09503	0	0	0	RS-700	1.144751
2578	-122.364	37.71668	2159.65875	0	0	0	RS-700	1.10278
2579	-122.364	37.71668	2121.53156	0	0	0	RS-700	0.913092
2580	-122.364	37.71668	2168.09525	0	0	0	RS-700	1.144752
2581	-122.364	37.71668	2125.38607	0	0	0	RS-700	0.932269
2582	-122.364	37.71668	2181.44787	0	0	0	RS-700	1.211183
2583	-122.364	37.71668	2133.8647	0	0	0	RS-700	0.974451
2584	-122.364	37.71668	2209.7936	0	0	0	RS-700	1.352207
2585	-122.364	37.71668	2226.79052	0	0	0	RS-700	1.436769
2586	-122.364	37.71668	2140.97137	0	0	0	RS-700	1.009808
2587	-122.364	37.71668	2159.2266	0	0	0	RS-700	1.10063
2588	-122.364	37.71668	2105.43225	0	0	0	RS-700	0.832996
2589	-122.364	37.71668	2161.76816	0	0	0	RS-700	1.113274
2590	-122.364	37.71668	2087.74835	0	0	0	RS-700	0.745017
2591	-122.364	37.71668	2205.11942	0	0	0	RS-700	1.328952
2592	-122.364	37.71668	2238.91189	0	0	0	RS-700	1.497074
2593	-122.364	37.71668	2129.53967	0	0	0	RS-700	0.952934
2594	-122.364	37.71668	2137.65265	0	0	0	RS-700	0.993297
2595	-122.364	37.71668	2226.44665	0	0	0	RS-700	1.435058
2596	-122.364	37.71668	2133.71066	0	0	0	RS-700	0.973685
2597	-122.364	37.71668	2157.55719	0	0	0	RS-700	1.092324
2598	-122.364	37.71668	2127.96224	0	0	0	RS-700	0.945086
2599	-122.364	37.71668	2097.95646	0	0	0	RS-700	0.795803
2600	-122.364	37.71668	2175.00395	0	0	0	RS-700	1.179124
2601	-122.364	37.71668	2212.12589	0	0	0	RS-700	1.36381
2602	-122.364	37.71668	2165.7446	0	0	0	RS-700	1.133058
2603	-122.364	37.71668	2130.28875	0	0	0	RS-700	0.95666
2604	-122.364	37.71668	2132.87196	0	0	0	RS-700	0.969512
2605	-122.364	37.71668	2101.43307	0	0	0	RS-700	0.8131
2606	-122.364	37.71668	2161.77118	0	0	0	RS-700	1.113289
2607	-122.364	37.71668	2158.10431	0	0	0	RS-700	1.095046
2608	-122.364	37.71668	2091.63872	0	0	0	RS-700	0.764372
2609	-122.364	37.71668	2105.53386	0	0	0	RS-700	0.833502

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2610	-122.364	37.71668	2091.52946	0	0	0	RS-700	0.763828
2611	-122.364	37.71668	2133.97446	0	0	0	RS-700	0.974997
2612	-122.364	37.71668	2156.0628	0	0	0	RS-700	1.08489
2613	-122.364	37.71668	2082.36196	0	0	0	RS-700	0.718219
2614	-122.364	37.71668	2207.00275	0	0	0	RS-700	1.338322
2615	-122.364	37.71668	2121.64936	0	0	0	RS-700	0.913678
2616	-122.364	37.71668	2160.97263	0	0	0	RS-700	1.109317
2617	-122.364	37.71668	2109.43255	0	0	0	RS-700	0.852898
2618	-122.364	37.71668	2238.87256	0	0	0	RS-700	1.496878
2619	-122.364	37.71668	2193.21596	0	0	0	RS-700	1.269731
2620	-122.364	37.71668	2157.19368	0	0	0	RS-700	1.090516
2621	-122.364	37.71668	2150.73178	0	0	0	RS-700	1.058367
2622	-122.364	37.71668	2133.19709	0	0	0	RS-700	0.971113
2623	-122.364	37.71668	2190.66802	0	0	0	RS-700	1.257055
2624	-122.364	37.71668	2134.76136	0	0	0	RS-700	0.978912
2625	-122.364	37.71668	2101.85048	0	0	0	RS-700	0.815177
2626	-122.364	37.71668	2196.00057	0	0	0	RS-700	1.283585
2627	-122.364	37.71668	2064.73014	0	0	0	RS-700	0.630498
2628	-122.364	37.71668	2176.64683	0	0	0	RS-700	1.187298
2629	-122.364	37.71668	2190.56202	0	0	0	RS-700	1.256527
2630	-122.364	37.71668	2050.62684	0	0	0	RS-700	0.560333
2631	-122.364	37.71668	2176.7754	0	0	0	RS-700	1.187937
2632	-122.364	37.71668	2171.2342	0	0	0	RS-700	1.160369
2633	-122.364	37.71668	2181.67784	0	0	0	RS-700	1.212328
2634	-122.364	37.71668	2136.97227	0	0	0	RS-700	0.989912
2635	-122.364	37.71668	2153.62515	0	0	0	RS-700	1.072762
2636	-122.364	37.71668	2132.75872	0	0	0	RS-700	0.968949
2637	-122.364	37.71668	2157.98589	0	0	0	RS-700	1.094457
2638	-122.364	37.71668	2052.73272	0	0	0	RS-700	0.57081
2639	-122.364	37.71668	2079.75469	0	0	0	RS-700	0.705247
2640	-122.364	37.71668	2151.87513	0	0	0	RS-700	1.064055
2641	-122.364	37.71668	2160.44599	0	0	0	RS-700	1.106696
2642	-122.364	37.71668	2138.44901	0	0	0	RS-700	0.997259
2643	-122.364	37.71668	2138.86582	0	0	0	RS-700	0.999332
2644	-122.364	37.71668	2153.66563	0	0	0	RS-700	1.072963
2645	-122.364	37.71668	2199.11021	0	0	0	RS-700	1.299056
2646	-122.364	37.71668	2167.67304	0	0	0	RS-700	1.142652
2647	-122.364	37.71668	2188.7813	0	0	0	RS-700	1.247668
2648	-122.364	37.71668	2209.00423	0	0	0	RS-700	1.34828
2649	-122.364	37.71668	2132.97343	0	0	0	RS-700	0.970017
2650	-122.364	37.71668	2155.86314	0	0	0	RS-700	1.083896
2651	-122.364	37.71668	2157.66186	0	0	0	RS-700	1.092845
2652	-122.364	37.71668	2053.52191	0	0	0	RS-700	0.574736
2653	-122.364	37.71668	2196.0996	0	0	0	RS-700	1.284078
2654	-122.364	37.71668	2176.87594	0	0	0	RS-700	1.188438

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2655	-122.364	37.71668	2122.31645	0	0	0	RS-700	0.916997
2656	-122.364	37.71668	2169.56004	0	0	0	RS-700	1.15204
2657	-122.364	37.71668	2197.67451	0	0	0	RS-700	1.291913
2658	-122.364	37.71668	2182.98908	0	0	0	RS-700	1.218851
2659	-122.364	37.71668	2139.7636	0	0	0	RS-700	1.003799
2660	-122.364	37.71668	2183.43945	0	0	0	RS-700	1.221092
2661	-122.364	37.71668	2295.14624	0	0	0	RS-700	1.776847
2662	-122.364	37.71668	2134.8662	0	0	0	RS-700	0.979434
2663	-122.364	37.71668	2194.55837	0	0	0	RS-700	1.27641
2664	-122.364	37.71668	2166.86658	0	0	0	RS-700	1.13864
2665	-122.364	37.71668	2148.98121	0	0	0	RS-700	1.049658
2666	-122.364	37.71668	2199.67233	0	0	0	RS-700	1.301852
2667	-122.364	37.71668	2163.30227	0	0	0	RS-700	1.120907
2668	-122.364	37.71668	2150.6606	0	0	0	RS-700	1.058013
2669	-122.364	37.71668	2180.87956	0	0	0	RS-700	1.208356
2670	-122.364	37.71668	2187.65531	0	0	0	RS-700	1.242066
2671	-122.364	37.71668	2177.00524	0	0	0	RS-700	1.189081
2672	-122.364	37.71668	2110.64439	0	0	0	RS-700	0.858927
2673	-122.364	37.71668	2182.32114	0	0	0	RS-700	1.215528
2674	-122.364	37.71668	2108.38865	0	0	0	RS-700	0.847705
2675	-122.364	37.71668	2154.9867	0	0	0	RS-700	1.079536
2676	-122.364	37.71668	2148.08579	0	0	0	RS-700	1.045203
2677	-122.364	37.71668	2227.90218	0	0	0	RS-700	1.442299
2678	-122.364	37.71668	2119.54199	0	0	0	RS-700	0.903194
2679	-122.364	37.71668	2133.18586	0	0	0	RS-700	0.971074
2680	-122.364	37.71668	2214.56631	0	0	0	RS-700	1.375952
2681	-122.364	37.71668	2139.08028	0	0	0	RS-700	1.000399
2682	-122.364	37.71668	2121.75389	0	0	0	RS-700	0.914198
2683	-122.364	37.71668	2191.90024	0	0	0	RS-700	1.263185
2684	-122.364	37.71668	2143.18885	0	0	0	RS-700	1.02084
2685	-122.364	37.71668	2128.27814	0	0	0	RS-700	0.946657
2686	-122.364	37.71668	2147.28912	0	0	0	RS-700	1.041239
2687	-122.364	37.71668	2226.79224	0	0	0	RS-700	1.436777
2688	-122.364	37.71668	2152.98155	0	0	0	RS-700	1.06956
2689	-122.364	37.71668	2141.07709	0	0	0	RS-700	1.010334
2690	-122.364	37.71668	2094.92548	0	0	0	RS-700	0.780724
2691	-122.364	37.71668	2155.66079	0	0	0	RS-700	1.08289
2692	-122.364	37.71668	2193.88975	0	0	0	RS-700	1.273083
2693	-122.364	37.71668	2162.20593	0	0	0	RS-700	1.115452
2694	-122.364	37.71668	2148.98126	0	0	0	RS-700	1.049658
2695	-122.364	37.71668	2085.52762	0	0	0	RS-700	0.733968
2696	-122.364	37.71668	2174.99477	0	0	0	RS-700	1.179078
2697	-122.364	37.71668	2099.05781	0	0	0	RS-700	0.801283
2698	-122.364	37.71668	2192.80168	0	0	0	RS-700	1.26767
2699	-122.364	37.71668	2151.30135	0	0	0	RS-700	1.061201

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2700	-122.364	37.71668	2174.98895	0	0	0	RS-700	1.17905
2701	-122.364	37.71668	2047.13696	0	0	0	RS-700	0.54297
2702	-122.364	37.71668	2197.7827	0	0	0	RS-700	1.292451
2703	-122.364	37.71668	2178.87632	0	0	0	RS-700	1.19839
2704	-122.364	37.71668	2166.77203	0	0	0	RS-700	1.138169
2705	-122.364	37.71668	2192.88812	0	0	0	RS-700	1.2681
2706	-122.364	37.71668	2127.5459	0	0	0	RS-700	0.943014
2707	-122.364	37.71668	2120.06605	0	0	0	RS-700	0.905801
2708	-122.364	37.71668	2145.54773	0	0	0	RS-700	1.032576
2709	-122.364	37.71668	2143.97428	0	0	0	RS-700	1.024748
2710	-122.364	37.71668	2145.5421	0	0	0	RS-700	1.032548
2711	-122.364	37.71668	2191.55173	0	0	0	RS-700	1.261451
2712	-122.364	37.71668	2171.4528	0	0	0	RS-700	1.161457
2713	-122.364	37.71668	2109.75224	0	0	0	RS-700	0.854489
2714	-122.364	37.71668	2181.55729	0	0	0	RS-700	1.211728
2715	-122.364	37.71668	2128.53841	0	0	0	RS-700	0.947952
2716	-122.364	37.71668	2157.20489	0	0	0	RS-700	1.090572
2717	-122.364	37.71668	2259.13819	0	0	0	RS-700	1.597702
2718	-122.364	37.71667	2212.99711	0	0	0	RS-700	1.368145
2719	-122.364	37.71667	2126.64975	0	0	0	RS-700	0.938556
2720	-122.364	37.71667	2191.45345	0	0	0	RS-700	1.260962
2721	-122.364	37.71667	2197.99281	0	0	0	RS-700	1.293497
2722	-122.364	37.71667	2166.66166	0	0	0	RS-700	1.13762
2723	-122.364	37.71667	2156.65764	0	0	0	RS-700	1.087849
2724	-122.364	37.71667	2147.65349	0	0	0	RS-700	1.043052
2725	-122.364	37.71667	2215.33985	0	0	0	RS-700	1.3798
2726	-122.364	37.71667	2235.0194	0	0	0	RS-700	1.477708
2727	-122.364	37.71667	2244.79735	0	0	0	RS-700	1.526355
2728	-122.364	37.71667	2157.87542	0	0	0	RS-700	1.093908
2729	-122.364	37.71667	2219.78319	0	0	0	RS-700	1.401906
2730	-122.364	37.71667	2230.72587	0	0	0	RS-700	1.456348
2731	-122.364	37.71666	2187.2969	0	0	0	RS-700	1.240283
2732	-122.364	37.71666	2174.44005	0	0	0	RS-700	1.176319
2733	-122.364	37.71666	2249.0265	0	0	0	RS-700	1.547396
2734	-122.364	37.71666	2202.00204	0	0	0	RS-700	1.313443
2735	-122.364	37.71666	2285.81753	0	0	0	RS-700	1.730435
2736	-122.364	37.71665	2253.01754	0	0	0	RS-700	1.567251
2737	-122.364	37.71665	2228.01651	0	0	0	RS-700	1.442868
2738	-122.364	37.71665	2263.37126	0	0	0	RS-700	1.618762
2739	-122.364	37.71665	2232.68324	0	0	0	RS-700	1.466086
2740	-122.364	37.71664	2296.81945	0	0	0	RS-700	1.785171
2741	-122.364	37.71664	2247.36563	0	0	0	RS-700	1.539132
2742	-122.364	37.71664	2271.8088	0	0	0	RS-700	1.66074
2743	-122.364	37.71664	2187.24048	0	0	0	RS-700	1.240002
2744	-122.364	37.71663	2224.68133	0	0	0	RS-700	1.426275

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2745	-122.364	37.71663	2190.78031	0	0	0	RS-700	1.257613
2746	-122.364	37.71663	2177.99051	0	0	0	RS-700	1.193983
2747	-122.364	37.71663	2233.999	0	0	0	RS-700	1.472632
2748	-122.364	37.71663	2190.77853	0	0	0	RS-700	1.257605
2749	-122.364	37.71662	2110.74759	0	0	0	RS-700	0.859441
2750	-122.364	37.71662	2256.48082	0	0	0	RS-700	1.584482
2751	-122.364	37.71662	2184.87119	0	0	0	RS-700	1.228215
2752	-122.364	37.71662	2185.7753	0	0	0	RS-700	1.232713
2753	-122.364	37.71661	2131.19752	0	0	0	RS-700	0.961182
2754	-122.364	37.71661	2145.08159	0	0	0	RS-700	1.030257
2755	-122.364	37.71661	2123.64867	0	0	0	RS-700	0.923625
2756	-122.364	37.71661	2162.87828	0	0	0	RS-700	1.118797
2757	-122.364	37.7166	2089.14322	0	0	0	RS-700	0.751956
2758	-122.364	37.7166	2143.08309	0	0	0	RS-700	1.020314
2759	-122.364	37.7166	2165.55787	0	0	0	RS-700	1.132129
2760	-122.364	37.7166	2210.12097	0	0	0	RS-700	1.353836
2761	-122.364	37.71659	2079.6329	0	0	0	RS-700	0.704641
2762	-122.364	37.71659	2212.33684	0	0	0	RS-700	1.36486
2763	-122.364	37.71659	2052.13866	0	0	0	RS-700	0.567854
2764	-122.364	37.71658	2172.99537	0	0	0	RS-700	1.169131
2765	-122.364	37.71658	2138.50665	0	0	0	RS-700	0.997546
2766	-122.364	37.71658	2225.90253	0	0	0	RS-700	1.432351
2767	-122.364	37.71658	2162.87723	0	0	0	RS-700	1.118792
2768	-122.364	37.71658	2203.45329	0	0	0	RS-700	1.320663
2769	-122.364	37.71657	2175.87542	0	0	0	RS-700	1.18346
2770	-122.364	37.71657	2124.18277	0	0	0	RS-700	0.926282
2771	-122.364	37.71657	2179.09324	0	0	0	RS-700	1.199469
2772	-122.364	37.71657	2183.99661	0	0	0	RS-700	1.223864
2773	-122.364	37.71656	2157.87391	0	0	0	RS-700	1.0939
2774	-122.364	37.71656	2177.10122	0	0	0	RS-700	1.189558
2775	-122.364	37.71656	2290.26826	0	0	0	RS-700	1.752578
2776	-122.364	37.71655	2196.0077	0	0	0	RS-700	1.28362
2777	-122.364	37.71655	2098.84899	0	0	0	RS-700	0.800244
2778	-122.364	37.71655	2095.95128	0	0	0	RS-700	0.785827
2779	-122.364	37.71655	2156.08844	0	0	0	RS-700	1.085017
2780	-122.364	37.71655	2086.74623	0	0	0	RS-700	0.740031
2781	-122.364	37.71654	2091.06047	0	0	0	RS-700	0.761495
2782	-122.364	37.71654	2091.84929	0	0	0	RS-700	0.765419
2783	-122.364	37.71654	2120.96517	0	0	0	RS-700	0.910274
2784	-122.364	37.71653	2155.75656	0	0	0	RS-700	1.083366
2785	-122.364	37.71653	2165.87392	0	0	0	RS-700	1.133701
2786	-122.364	37.71653	2146.07688	0	0	0	RS-700	1.035208
2787	-122.364	37.71653	2054.92828	0	0	0	RS-700	0.581733
2788	-122.364	37.71652	2077.52623	0	0	0	RS-700	0.69416
2789	-122.364	37.71652	2084.94442	0	0	0	RS-700	0.731067



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2790	-122.364	37.71652	2147.33149	0	0	0	RS-700	1.04145
2791	-122.364	37.71652	2073.72614	0	0	0	RS-700	0.675254
2792	-122.364	37.71651	2045.14396	0	0	0	RS-700	0.533055
2793	-122.364	37.71651	2074.15497	0	0	0	RS-700	0.677388
2794	-122.364	37.71651	2122.65029	0	0	0	RS-700	0.918658
2795	-122.364	37.71651	2191.77281	0	0	0	RS-700	1.262551
2796	-122.364	37.7165	2039.52171	0	0	0	RS-700	0.505083
2797	-122.364	37.7165	2046.72265	0	0	0	RS-700	0.540909
2798	-122.364	37.7165	2035.52074	0	0	0	RS-700	0.485178
2799	-122.364	37.7165	1883.85765	0	0	0	RS-700	-0.26936
2800	-122.364	37.7165	1944.69655	0	0	0	RS-700	0.033316
2801	-122.364	37.71649	1873.25631	0	0	0	RS-700	-0.32211
2802	-122.364	37.71649	1889.381	0	0	0	RS-700	-0.24189
2803	-122.364	37.71649	1891.55864	0	0	0	RS-700	-0.23105
2804	-122.364	37.71649	1878.57712	0	0	0	RS-700	-0.29564
2805	-122.364	37.71649	1917.24732	0	0	0	RS-700	-0.10325
2806	-122.364	37.71648	1873.2274	0	0	0	RS-700	-0.32225
2807	-122.364	37.71648	1882.86192	0	0	0	RS-700	-0.27432
2808	-122.364	37.71648	1937.78574	0	0	0	RS-700	-0.00107
2809	-122.364	37.71648	1970.58828	0	0	0	RS-700	0.162131
2810	-122.364	37.71647	1945.79025	0	0	0	RS-700	0.038757
2811	-122.364	37.71647	1949.3991	0	0	0	RS-700	0.056712
2812	-122.364	37.71647	1934.69434	0	0	0	RS-700	-0.01645
2813	-122.364	37.71647	2074.2917	0	0	0	RS-700	0.678068
2814	-122.364	37.71646	1973.80279	0	0	0	RS-700	0.178123
2815	-122.364	37.71646	2082.53281	0	0	0	RS-700	0.719069
2816	-122.364	37.71646	2001.6106	0	0	0	RS-700	0.316471
2817	-122.364	37.71646	2025.40506	0	0	0	RS-700	0.434851
2818	-122.364	37.71646	2054.7322	0	0	0	RS-700	0.580757
2819	-122.364	37.71645	2074.26515	0	0	0	RS-700	0.677936
2820	-122.364	37.71645	2040.82507	0	0	0	RS-700	0.511568
2821	-122.364	37.71645	2102.85204	0	0	0	RS-700	0.820159
2822	-122.364	37.71645	2005.41587	0	0	0	RS-700	0.335402
2823	-122.364	37.71645	1953.71244	0	0	0	RS-700	0.078171
2824	-122.364	37.71646	2035.9351	0	0	0	RS-700	0.487239
2825	-122.364	37.71646	2042.02005	0	0	0	RS-700	0.517513
2826	-122.364	37.71645	2085.36723	0	0	0	RS-700	0.73317
2827	-122.364	37.71645	2110.64471	0	0	0	RS-700	0.858929
2828	-122.364	37.71645	2006.82418	0	0	0	RS-700	0.342409
2829	-122.364	37.71645	1985.00175	0	0	0	RS-700	0.23384
2830	-122.364	37.71645	2079.04977	0	0	0	RS-700	0.70174
2831	-122.364	37.71645	2050.42271	0	0	0	RS-700	0.559317
2832	-122.364	37.71644	2080.52491	0	0	0	RS-700	0.709079
2833	-122.364	37.71644	1963.70267	0	0	0	RS-700	0.127874
2834	-122.364	37.71645	2103.2547	0	0	0	RS-700	0.822163

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2835	-122.364	37.71645	2003.12159	0	0	0	RS-700	0.323988
2836	-122.364	37.71645	2053.41721	0	0	0	RS-700	0.574215
2837	-122.364	37.71645	2103.64125	0	0	0	RS-700	0.824086
2838	-122.364	37.71645	2070.83734	0	0	0	RS-700	0.660882
2839	-122.364	37.71644	2019.42874	0	0	0	RS-700	0.405118
2840	-122.364	37.71644	2094.96959	0	0	0	RS-700	0.780943
2841	-122.364	37.71644	2064.93304	0	0	0	RS-700	0.631508
2842	-122.364	37.71644	2031.13673	0	0	0	RS-700	0.463367
2843	-122.364	37.71644	2089.84356	0	0	0	RS-700	0.755441
2844	-122.364	37.71644	2077.94295	0	0	0	RS-700	0.696234
2845	-122.364	37.71644	2118.54146	0	0	0	RS-700	0.898216
2846	-122.364	37.71644	2050.13564	0	0	0	RS-700	0.557889
2847	-122.364	37.71644	2098.53268	0	0	0	RS-700	0.79867
2848	-122.364	37.71644	2105.48918	0	0	0	RS-700	0.83328
2849	-122.364	37.71644	2069.94181	0	0	0	RS-700	0.656427
2850	-122.363	37.71644	2088.52978	0	0	0	RS-700	0.748904
2851	-122.363	37.71644	2007.71718	0	0	0	RS-700	0.346852
2852	-122.363	37.71643	2091.63499	0	0	0	RS-700	0.764353
2853	-122.363	37.71643	2059.52308	0	0	0	RS-700	0.604592
2854	-122.363	37.71643	2019.52585	0	0	0	RS-700	0.405601
2855	-122.363	37.71643	2036.31915	0	0	0	RS-700	0.48915
2856	-122.363	37.71643	2087.53359	0	0	0	RS-700	0.743948
2857	-122.363	37.71643	2018.40182	0	0	0	RS-700	0.400009
2858	-122.363	37.71643	1992.60203	0	0	0	RS-700	0.271652
2859	-122.363	37.71643	2082.04161	0	0	0	RS-700	0.716625
2860	-122.363	37.71643	2112.28429	0	0	0	RS-700	0.867086
2861	-122.363	37.71643	2137.65271	0	0	0	RS-700	0.993297
2862	-122.363	37.71643	2026.94047	0	0	0	RS-700	0.44249
2863	-122.363	37.71643	2028.01947	0	0	0	RS-700	0.447858
2864	-122.363	37.71643	2086.95638	0	0	0	RS-700	0.741077
2865	-122.363	37.71643	2108.17243	0	0	0	RS-700	0.846629
2866	-122.363	37.71643	2102.85288	0	0	0	RS-700	0.820164
2867	-122.363	37.71643	2091.64685	0	0	0	RS-700	0.764412
2868	-122.363	37.71643	2052.92702	0	0	0	RS-700	0.571776
2869	-122.363	37.71643	1994.19951	0	0	0	RS-700	0.2796
2870	-122.363	37.71643	2067.42582	0	0	0	RS-700	0.64391
2871	-122.363	37.71643	2040.62321	0	0	0	RS-700	0.510563
2872	-122.363	37.71643	2042.44648	0	0	0	RS-700	0.519634
2873	-122.363	37.71643	2126.65561	0	0	0	RS-700	0.938585
2874	-122.363	37.71643	2032.8308	0	0	0	RS-700	0.471795
2875	-122.363	37.71643	2053.52676	0	0	0	RS-700	0.57476
2876	-122.363	37.71643	2163.99032	0	0	0	RS-700	1.12433
2877	-122.363	37.71643	2078.15934	0	0	0	RS-700	0.69731
2878	-122.363	37.71643	1988.50685	0	0	0	RS-700	0.251278
2879	-122.363	37.71643	2013.51262	0	0	0	RS-700	0.375685

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2880	-122.363	37.71642	2059.05432	0	0	0	RS-700	0.60226
2881	-122.363	37.71642	2066.73338	0	0	0	RS-700	0.640465
2882	-122.363	37.71642	2067.04513	0	0	0	RS-700	0.642016
2883	-122.363	37.71642	2030.61868	0	0	0	RS-700	0.460789
2884	-122.363	37.71642	2087.17277	0	0	0	RS-700	0.742153
2885	-122.363	37.71642	2133.30128	0	0	0	RS-700	0.971648
2886	-122.363	37.71642	2039.13701	0	0	0	RS-700	0.503169
2887	-122.363	37.71642	2079.96139	0	0	0	RS-700	0.706276
2888	-122.363	37.71642	2005.41595	0	0	0	RS-700	0.335403
2889	-122.363	37.71642	1985.71088	0	0	0	RS-700	0.237368
2890	-122.363	37.71642	2098.48414	0	0	0	RS-700	0.798429
2891	-122.363	37.71642	1991.82364	0	0	0	RS-700	0.267779
2892	-122.363	37.71642	2037.1327	0	0	0	RS-700	0.493198
2893	-122.363	37.71642	2073.05885	0	0	0	RS-700	0.671935
2894	-122.363	37.71642	2017.51938	0	0	0	RS-700	0.395619
2895	-122.363	37.71642	1995.60966	0	0	0	RS-700	0.286615
2896	-122.363	37.71641	1942.59541	0	0	0	RS-700	0.022863
2897	-122.363	37.71641	1956.78424	0	0	0	RS-700	0.093454
2898	-122.363	37.71641	2023.51722	0	0	0	RS-700	0.425459
2899	-122.363	37.71641	2060.51537	0	0	0	RS-700	0.609529
2900	-122.363	37.71641	2036.83169	0	0	0	RS-700	0.4917
2901	-122.363	37.7164	2000.01449	0	0	0	RS-700	0.30853
2902	-122.363	37.7164	2024.62856	0	0	0	RS-700	0.430988
2903	-122.363	37.7164	2063.62463	0	0	0	RS-700	0.624998
2904	-122.363	37.7164	2026.12541	0	0	0	RS-700	0.438435
2905	-122.363	37.71639	1979.10414	0	0	0	RS-700	0.204498
2906	-122.363	37.71639	1992.30513	0	0	0	RS-700	0.270175
2907	-122.363	37.71639	2025.91782	0	0	0	RS-700	0.437402
2908	-122.363	37.71639	2119.75715	0	0	0	RS-700	0.904264
2909	-122.363	37.71638	1987.50787	0	0	0	RS-700	0.246308
2910	-122.363	37.71638	1995.20841	0	0	0	RS-700	0.284619
2911	-122.363	37.71638	1961.90839	0	0	0	RS-700	0.118947
2912	-122.363	37.71637	2034.62584	0	0	0	RS-700	0.480726
2913	-122.363	37.71637	2051.82981	0	0	0	RS-700	0.566317
2914	-122.363	37.71637	2084.5309	0	0	0	RS-700	0.729009
2915	-122.363	37.71637	2063.32122	0	0	0	RS-700	0.623489
2916	-122.363	37.71637	1993.10224	0	0	0	RS-700	0.27414
2917	-122.363	37.71636	2059.21395	0	0	0	RS-700	0.603054
2918	-122.363	37.71636	1944.79068	0	0	0	RS-700	0.033784
2919	-122.363	37.71636	1987.80673	0	0	0	RS-700	0.247795
2920	-122.363	37.71636	1943.29804	0	0	0	RS-700	0.026358
2921	-122.363	37.71635	2044.51967	0	0	0	RS-700	0.529949
2922	-122.363	37.71635	2071.74519	0	0	0	RS-700	0.665399
2923	-122.363	37.71635	2035.42309	0	0	0	RS-700	0.484692
2924	-122.363	37.71635	1895.4849	0	0	0	RS-700	-0.21152

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2925	-122.363	37.71634	1453.22573	0	0	0	RS-700	-2.41181
2926	-122.363	37.71634	1188.17984	0	0	0	RS-700	-3.73045
2927	-122.363	37.71634	1125.05154	0	0	0	RS-700	-4.04452
2928	-122.363	37.71634	1218.18596	0	0	0	RS-700	-3.58116
2929	-122.363	37.71634	1724.17997	0	0	0	RS-700	-1.06378
2930	-122.363	37.71633	1974.40535	0	0	0	RS-700	0.181121
2931	-122.363	37.71633	1943.68867	0	0	0	RS-700	0.028302
2932	-122.363	37.71633	1937.69254	0	0	0	RS-700	-0.00153
2933	-122.363	37.71633	1955.01686	0	0	0	RS-700	0.084661
2934	-122.363	37.71632	1973.79935	0	0	0	RS-700	0.178106
2935	-122.363	37.71632	1995.70185	0	0	0	RS-700	0.287074
2936	-122.363	37.71632	1978.50854	0	0	0	RS-700	0.201535
2937	-122.363	37.71632	1942.08029	0	0	0	RS-700	0.0203
2938	-122.363	37.71632	1961.49216	0	0	0	RS-700	0.116876
2939	-122.363	37.71631	2023.82271	0	0	0	RS-700	0.426979
2940	-122.363	37.71631	2016.72195	0	0	0	RS-700	0.391651
2941	-122.363	37.71631	2068.2089	0	0	0	RS-700	0.647805
2942	-122.363	37.71631	2029.92076	0	0	0	RS-700	0.457317
2943	-122.363	37.7163	2098.85223	0	0	0	RS-700	0.80026
2944	-122.363	37.7163	2130.98532	0	0	0	RS-700	0.960126
2945	-122.363	37.7163	2159.0909	0	0	0	RS-700	1.099955
2946	-122.363	37.7163	2171.98854	0	0	0	RS-700	1.164122
2947	-122.363	37.71629	2227.90763	0	0	0	RS-700	1.442327
2948	-122.363	37.71629	2267.04105	0	0	0	RS-700	1.63702
2949	-122.363	37.71629	2301.03628	0	0	0	RS-700	1.806151
2950	-122.363	37.71629	2268.16622	0	0	0	RS-700	1.642618
2951	-122.363	37.71628	2176.44191	0	0	0	RS-700	1.186278
2952	-122.363	37.71628	2189.99512	0	0	0	RS-700	1.253707
2953	-122.363	37.71628	2063.63511	0	0	0	RS-700	0.62505
2954	-122.363	37.71628	2195.99699	0	0	0	RS-700	1.283567
2955	-122.363	37.71627	2050.5211	0	0	0	RS-700	0.559806
2956	-122.363	37.71627	2106.55502	0	0	0	RS-700	0.838582
2957	-122.363	37.71627	1980.49981	0	0	0	RS-700	0.211442
2958	-122.363	37.71627	2023.92102	0	0	0	RS-700	0.427468
2959	-122.363	37.71626	1861.67048	0	0	0	RS-700	-0.37975
2960	-122.363	37.71626	2033.41835	0	0	0	RS-700	0.474718
2961	-122.363	37.71626	1917.19936	0	0	0	RS-700	-0.10349
2962	-122.363	37.71626	1968.3053	0	0	0	RS-700	0.150773
2963	-122.363	37.71625	1949.88643	0	0	0	RS-700	0.059136
2964	-122.363	37.71625	2006.11221	0	0	0	RS-700	0.338867
2965	-122.363	37.71625	2035.82506	0	0	0	RS-700	0.486692
2966	-122.363	37.71625	2011.61549	0	0	0	RS-700	0.366246
2967	-122.363	37.71624	1996.29892	0	0	0	RS-700	0.290044
2968	-122.363	37.71624	2084.85157	0	0	0	RS-700	0.730605
2969	-122.363	37.71624	2005.51647	0	0	0	RS-700	0.335903

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
2970	-122.363	37.71624	2039.41783	0	0	0	RS-700	0.504566
2971	-122.363	37.71623	2018.91133	0	0	0	RS-700	0.402544
2972	-122.363	37.71623	2096.76143	0	0	0	RS-700	0.789858
2973	-122.363	37.71623	2086.16174	0	0	0	RS-700	0.737123
2974	-122.363	37.71623	2128.60492	0	0	0	RS-700	0.948283
2975	-122.363	37.71622	2115.54657	0	0	0	RS-700	0.883316
2976	-122.363	37.71622	2080.52822	0	0	0	RS-700	0.709096
2977	-122.363	37.71622	2024.82446	0	0	0	RS-700	0.431962
2978	-122.363	37.71622	2008.61535	0	0	0	RS-700	0.35132
2979	-122.363	37.71621	2072.7128	0	0	0	RS-700	0.670213
2980	-122.363	37.71621	2118.17657	0	0	0	RS-700	0.896401
2981	-122.363	37.71621	2062.34287	0	0	0	RS-700	0.618621
2982	-122.363	37.71621	2138.43134	0	0	0	RS-700	0.997171
2983	-122.363	37.7162	2082.6446	0	0	0	RS-700	0.719625
2984	-122.363	37.7162	2139.97634	0	0	0	RS-700	1.004857
2985	-122.363	37.7162	2110.74974	0	0	0	RS-700	0.859451
2986	-122.363	37.71619	2089.25565	0	0	0	RS-700	0.752516
2987	-122.363	37.71619	2095.53061	0	0	0	RS-700	0.783734
2988	-122.363	37.71619	2033.51877	0	0	0	RS-700	0.475218
2989	-122.363	37.71619	2031.53614	0	0	0	RS-700	0.465354
2990	-122.363	37.71618	2074.95166	0	0	0	RS-700	0.681352
2991	-122.363	37.71618	2087.5261	0	0	0	RS-700	0.743911
2992	-122.363	37.71618	2035.72444	0	0	0	RS-700	0.486191
2993	-122.363	37.71618	2039.23683	0	0	0	RS-700	0.503666
2994	-122.363	37.71617	2090.74466	0	0	0	RS-700	0.759924
2995	-122.363	37.71617	2026.6248	0	0	0	RS-700	0.440919
2996	-122.363	37.71617	1964.50612	0	0	0	RS-700	0.131871
2997	-122.363	37.71616	1994.01219	0	0	0	RS-700	0.278668
2998	-122.363	37.71616	1940.98453	0	0	0	RS-700	0.014848
2999	-122.363	37.71616	1930.58961	0	0	0	RS-700	-0.03687
3000	-122.363	37.71616	1955.50202	0	0	0	RS-700	0.087075
3001	-122.363	37.71615	1898.29697	0	0	0	RS-700	-0.19753
3002	-122.363	37.71615	1920.07036	0	0	0	RS-700	-0.0892
3003	-122.363	37.71615	1968.60131	0	0	0	RS-700	0.152245
3004	-122.363	37.71614	1953.37514	0	0	0	RS-700	0.076493
3005	-122.363	37.71614	1869.03634	0	0	0	RS-700	-0.3431
3006	-122.363	37.71614	1888.48652	0	0	0	RS-700	-0.24634
3007	-122.363	37.71614	1775.80239	0	0	0	RS-700	-0.80695
3008	-122.363	37.71613	1618.49478	0	0	0	RS-700	-1.58958
3009	-122.363	37.71613	1704.09276	0	0	0	RS-700	-1.16372
3010	-122.363	37.71613	1740.45166	0	0	0	RS-700	-0.98283
3011	-122.363	37.71613	1501.38264	0	0	0	RS-700	-2.17223
3012	-122.363	37.71612	1175.18136	0	0	0	RS-700	-3.79512
3013	-122.363	37.71612	1101.21914	0	0	0	RS-700	-4.16309
3014	-122.363	37.71612	1331.61724	0	0	0	RS-700	-3.01683

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3015	-122.363	37.71612	1581.24369	0	0	0	RS-700	-1.77491
3016	-122.363	37.71611	1713.43668	0	0	0	RS-700	-1.11723
3017	-122.363	37.71611	1716.04218	0	0	0	RS-700	-1.10427
3018	-122.363	37.71611	1721.35179	0	0	0	RS-700	-1.07785
3019	-122.363	37.71611	1644.49839	0	0	0	RS-700	-1.46021
3020	-122.363	37.71611	1692.60249	0	0	0	RS-700	-1.22088
3021	-122.363	37.71611	1811.00649	0	0	0	RS-700	-0.63181
3022	-122.363	37.71611	1647.07863	0	0	0	RS-700	-1.44737
3023	-122.363	37.71611	1677.26205	0	0	0	RS-700	-1.2972
3024	-122.363	37.71611	1771.63083	0	0	0	RS-700	-0.82771
3025	-122.363	37.71611	1661.92826	0	0	0	RS-700	-1.37349
3026	-122.363	37.71611	1704.34298	0	0	0	RS-700	-1.16247
3027	-122.363	37.71611	1735.18343	0	0	0	RS-700	-1.00904
3028	-122.363	37.71611	1682.50747	0	0	0	RS-700	-1.27111
3029	-122.363	37.71611	1755.27424	0	0	0	RS-700	-0.90908
3030	-122.363	37.71611	1685.85574	0	0	0	RS-700	-1.25445
3031	-122.363	37.71611	1715.78124	0	0	0	RS-700	-1.10557
3032	-122.363	37.71611	1699.52051	0	0	0	RS-700	-1.18647
3033	-122.363	37.71611	1686.85401	0	0	0	RS-700	-1.24948
3034	-122.363	37.71611	1710.51823	0	0	0	RS-700	-1.13175
3035	-122.363	37.71611	1696.34475	0	0	0	RS-700	-1.20226
3036	-122.363	37.71611	1668.34188	0	0	0	RS-700	-1.34158
3037	-122.363	37.71611	1645.58857	0	0	0	RS-700	-1.45478
3038	-122.363	37.71611	1727.27185	0	0	0	RS-700	-1.0484
3039	-122.363	37.71611	1703.34904	0	0	0	RS-700	-1.16742
3040	-122.363	37.71611	1678.68036	0	0	0	RS-700	-1.29015
3041	-122.363	37.71611	1681.51602	0	0	0	RS-700	-1.27604
3042	-122.363	37.71611	1681.5173	0	0	0	RS-700	-1.27603
3043	-122.363	37.71611	1690.26305	0	0	0	RS-700	-1.23252
3044	-122.363	37.71611	1703.52097	0	0	0	RS-700	-1.16656
3045	-122.363	37.71611	1669.2616	0	0	0	RS-700	-1.33701
3046	-122.363	37.71611	1711.34795	0	0	0	RS-700	-1.12762
3047	-122.363	37.71611	1753.88068	0	0	0	RS-700	-0.91602
3048	-122.363	37.71611	1656.99768	0	0	0	RS-700	-1.39802
3049	-122.363	37.71611	1605.73159	0	0	0	RS-700	-1.65308
3050	-122.363	37.71611	1665.17411	0	0	0	RS-700	-1.35734
3051	-122.363	37.71611	1729.45733	0	0	0	RS-700	-1.03753
3052	-122.363	37.71611	1740.35736	0	0	0	RS-700	-0.9833
3053	-122.363	37.71611	1723.4421	0	0	0	RS-700	-1.06745
3054	-122.363	37.71611	1799.56069	0	0	0	RS-700	-0.68875
3055	-122.363	37.71611	1843.37721	0	0	0	RS-700	-0.47076
3056	-122.363	37.71611	1738.53265	0	0	0	RS-700	-0.99237
3057	-122.363	37.71611	1768.54356	0	0	0	RS-700	-0.84307
3058	-122.363	37.71611	1740.6132	0	0	0	RS-700	-0.98202
3059	-122.363	37.71611	1788.45888	0	0	0	RS-700	-0.74399

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3060	-122.363	37.71611	1762.63491	0	0	0	RS-700	-0.87246
3061	-122.363	37.71611	1755.44878	0	0	0	RS-700	-0.90822
3062	-122.363	37.71611	1734.18249	0	0	0	RS-700	-1.01402
3063	-122.363	37.71611	1795.64659	0	0	0	RS-700	-0.70823
3064	-122.363	37.71611	1806.55324	0	0	0	RS-700	-0.65396
3065	-122.363	37.71611	1832.55987	0	0	0	RS-700	-0.52458
3066	-122.363	37.71611	1827.65893	0	0	0	RS-700	-0.54896
3067	-122.363	37.71611	1796.71836	0	0	0	RS-700	-0.70289
3068	-122.363	37.71611	1808.55285	0	0	0	RS-700	-0.64402
3069	-122.363	37.71611	1770.98165	0	0	0	RS-700	-0.83094
3070	-122.363	37.71611	1760.44079	0	0	0	RS-700	-0.88338
3071	-122.363	37.71611	1707.18761	0	0	0	RS-700	-1.14832
3072	-122.363	37.71611	1709.52644	0	0	0	RS-700	-1.13668
3073	-122.363	37.71611	1671.34273	0	0	0	RS-700	-1.32665
3074	-122.363	37.71611	1773.43923	0	0	0	RS-700	-0.81871
3075	-122.363	37.71611	1863.66368	0	0	0	RS-700	-0.36983
3076	-122.363	37.71611	1758.80411	0	0	0	RS-700	-0.89152
3077	-122.363	37.71611	1720.87385	0	0	0	RS-700	-1.08023
3078	-122.363	37.71611	1864.38973	0	0	0	RS-700	-0.36622
3079	-122.363	37.71611	1732.6235	0	0	0	RS-700	-1.02177
3080	-122.363	37.71611	1807.91626	0	0	0	RS-700	-0.64718
3081	-122.363	37.71611	1830.64924	0	0	0	RS-700	-0.53408
3082	-122.363	37.71611	1821.56304	0	0	0	RS-700	-0.57929
3083	-122.363	37.71611	1909.48207	0	0	0	RS-700	-0.14188
3084	-122.363	37.71611	1919.47274	0	0	0	RS-700	-0.09218
3085	-122.363	37.71611	1851.47173	0	0	0	RS-700	-0.43049
3086	-122.363	37.71611	1917.14544	0	0	0	RS-700	-0.10375
3087	-122.363	37.71611	1963.28716	0	0	0	RS-700	0.125807
3088	-122.363	37.71611	2005.81572	0	0	0	RS-700	0.337392
3089	-122.363	37.71611	2068.52385	0	0	0	RS-700	0.649372
3090	-122.363	37.71611	2170.55525	0	0	0	RS-700	1.156991
3091	-122.363	37.71611	2125.1779	0	0	0	RS-700	0.931233
3092	-122.363	37.7161	2185.1135	0	0	0	RS-700	1.22942
3093	-122.363	37.7161	2134.54239	0	0	0	RS-700	0.977823
3094	-122.363	37.7161	2153.65911	0	0	0	RS-700	1.072931
3095	-122.363	37.7161	2157.76495	0	0	0	RS-700	1.093358
3096	-122.363	37.7161	2177.88457	0	0	0	RS-700	1.193456
3097	-122.363	37.7161	2118.2819	0	0	0	RS-700	0.896925
3098	-122.363	37.7161	2143.33666	0	0	0	RS-700	1.021575
3099	-122.363	37.7161	2178.77535	0	0	0	RS-700	1.197887
3100	-122.363	37.7161	2094.04125	0	0	0	RS-700	0.776325
3101	-122.363	37.7161	2150.41701	0	0	0	RS-700	1.056801
3102	-122.363	37.7161	2115.55169	0	0	0	RS-700	0.883342
3103	-122.363	37.7161	2138.97581	0	0	0	RS-700	0.99988
3104	-122.363	37.7161	2195.23527	0	0	0	RS-700	1.279777

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3105	-122.363	37.7161	2133.17658	0	0	0	RS-700	0.971028
3106	-122.363	37.7161	2154.40932	0	0	0	RS-700	1.076663
3107	-122.363	37.7161	2086.74097	0	0	0	RS-700	0.740005
3108	-122.363	37.7161	1966.70667	0	0	0	RS-700	0.142819
3109	-122.363	37.7161	2104.3238	0	0	0	RS-700	0.827482
3110	-122.363	37.7161	2202.88004	0	0	0	RS-700	1.317811
3111	-122.363	37.7161	2101.43071	0	0	0	RS-700	0.813088
3112	-122.363	37.71609	2102.96046	0	0	0	RS-700	0.820699
3113	-122.363	37.71609	2076.64316	0	0	0	RS-700	0.689767
3114	-122.363	37.71609	2157.54826	0	0	0	RS-700	1.09228
3115	-122.363	37.71609	2123.28561	0	0	0	RS-700	0.921819
3116	-122.363	37.71609	2113.85643	0	0	0	RS-700	0.874908
3117	-122.363	37.71609	2145.98416	0	0	0	RS-700	1.034747
3118	-122.363	37.71609	2110.53552	0	0	0	RS-700	0.858386
3119	-122.363	37.71609	2208.45426	0	0	0	RS-700	1.345544
3120	-122.363	37.71609	2108.74202	0	0	0	RS-700	0.849463
3121	-122.363	37.71609	2141.5457	0	0	0	RS-700	1.012665
3122	-122.363	37.71609	2174.31724	0	0	0	RS-700	1.175708
3123	-122.363	37.71609	2138.51458	0	0	0	RS-700	0.997585
3124	-122.363	37.71608	2074.94305	0	0	0	RS-700	0.681309
3125	-122.363	37.71608	2039.51951	0	0	0	RS-700	0.505072
3126	-122.363	37.71608	2101.85354	0	0	0	RS-700	0.815192
3127	-122.363	37.71608	2029.72015	0	0	0	RS-700	0.456319
3128	-122.363	37.71608	2043.24371	0	0	0	RS-700	0.523601
3129	-122.363	37.71607	1978.50168	0	0	0	RS-700	0.201501
3130	-122.363	37.71607	1927.97511	0	0	0	RS-700	-0.04988
3131	-122.363	37.71607	1959.49946	0	0	0	RS-700	0.106962
3132	-122.363	37.71607	2034.92861	0	0	0	RS-700	0.482232
3133	-122.363	37.71607	1923.60977	0	0	0	RS-700	-0.07159
3134	-122.363	37.71607	2053.31284	0	0	0	RS-700	0.573696
3135	-122.363	37.71606	1942.00664	0	0	0	RS-700	0.019934
3136	-122.363	37.71606	1997.61102	0	0	0	RS-700	0.296572
3137	-122.363	37.71606	1987.80256	0	0	0	RS-700	0.247774
3138	-122.363	37.71606	1907.6813	0	0	0	RS-700	-0.15084
3139	-122.363	37.71606	1823.3803	0	0	0	RS-700	-0.57025
3140	-122.363	37.71606	1743.53262	0	0	0	RS-700	-0.9675
3141	-122.363	37.71606	1478.23147	0	0	0	RS-700	-2.28741
3142	-122.363	37.71605	984.35352	0	0	0	RS-700	-4.74451
3143	-122.363	37.71605	969.29616	0	0	0	RS-700	-4.81942
3144	-122.363	37.71605	928.0514	0	0	0	RS-700	-5.02462
3145	-122.363	37.71605	904.13991	0	0	0	RS-700	-5.14358
3146	-122.363	37.71605	954.19589	0	0	0	RS-700	-4.89455
3147	-122.363	37.71605	1259.38422	0	0	0	RS-700	-3.3762
3148	-122.363	37.71605	1822.55662	0	0	0	RS-700	-0.57435
3149	-122.363	37.71604	1965.89594	0	0	0	RS-700	0.138786



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3150	-122.363	37.71604	1984.40166	0	0	0	RS-700	0.230854
3151	-122.363	37.71604	1793.81548	0	0	0	RS-700	-0.71734
3152	-122.363	37.71604	1552.00807	0	0	0	RS-700	-1.92036
3153	-122.363	37.71604	1013.41087	0	0	0	RS-700	-4.59995
3154	-122.363	37.71603	986.25038	0	0	0	RS-700	-4.73507
3155	-122.363	37.71603	1273.261	0	0	0	RS-700	-3.30716
3156	-122.363	37.71603	1820.10397	0	0	0	RS-700	-0.58655
3157	-122.363	37.71603	1956.39716	0	0	0	RS-700	0.091528
3158	-122.363	37.71602	1936.98048	0	0	0	RS-700	-0.00507
3159	-122.363	37.71602	1930.37914	0	0	0	RS-700	-0.03791
3160	-122.363	37.71602	1739.14631	0	0	0	RS-700	-0.98932
3161	-122.363	37.71602	1567.32132	0	0	0	RS-700	-1.84417
3162	-122.363	37.71602	1467.22403	0	0	0	RS-700	-2.34217
3163	-122.363	37.71601	1717.52652	0	0	0	RS-700	-1.09688
3164	-122.363	37.71601	1972.50364	0	0	0	RS-700	0.17166
3165	-122.363	37.71601	2020.51467	0	0	0	RS-700	0.410521
3166	-122.363	37.71601	2000.9284	0	0	0	RS-700	0.313077
3167	-122.363	37.716	2025.13391	0	0	0	RS-700	0.433502
3168	-122.363	37.716	2068.94061	0	0	0	RS-700	0.651446
3169	-122.363	37.716	2066.52224	0	0	0	RS-700	0.639414
3170	-122.363	37.716	2126.75534	0	0	0	RS-700	0.939081
3171	-122.363	37.71599	2050.83338	0	0	0	RS-700	0.56136
3172	-122.363	37.71599	2074.42673	0	0	0	RS-700	0.67874
3173	-122.363	37.71599	1955.59758	0	0	0	RS-700	0.08755
3174	-122.363	37.71599	2032.11833	0	0	0	RS-700	0.46825
3175	-122.363	37.71599	2013.01782	0	0	0	RS-700	0.373223
3176	-122.363	37.71598	2000.99959	0	0	0	RS-700	0.313431
3177	-122.363	37.71598	1991.60026	0	0	0	RS-700	0.266668
3178	-122.363	37.71598	2028.6196	0	0	0	RS-700	0.450844
3179	-122.363	37.71598	2019.81204	0	0	0	RS-700	0.407025
3180	-122.363	37.71597	1932.49552	0	0	0	RS-700	-0.02739
3181	-122.363	37.71597	1972.69972	0	0	0	RS-700	0.172635
3182	-122.363	37.71597	2051.03324	0	0	0	RS-700	0.562354
3183	-122.363	37.71597	2076.63425	0	0	0	RS-700	0.689723
3184	-122.363	37.71596	2125.65175	0	0	0	RS-700	0.933591
3185	-122.363	37.71596	2020.61674	0	0	0	RS-700	0.411029
3186	-122.363	37.71596	2090.06435	0	0	0	RS-700	0.756539
3187	-122.363	37.71596	2033.93497	0	0	0	RS-700	0.477288
3188	-122.363	37.71596	2136.64662	0	0	0	RS-700	0.988292
3189	-122.363	37.71595	2132.54182	0	0	0	RS-700	0.96787
3190	-122.363	37.71595	2110.96587	0	0	0	RS-700	0.860527
3191	-122.363	37.71595	2080.3668	0	0	0	RS-700	0.708293
3192	-122.363	37.71595	2032.62072	0	0	0	RS-700	0.47075
3193	-122.363	37.71594	2066.2136	0	0	0	RS-700	0.637879
3194	-122.363	37.71594	2110.85608	0	0	0	RS-700	0.85998

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3195	-122.363	37.71594	2017.10998	0	0	0	RS-700	0.393582
3196	-122.363	37.71594	2117.97534	0	0	0	RS-700	0.8954
3197	-122.363	37.71594	2022.02796	0	0	0	RS-700	0.41805
3198	-122.363	37.71593	2070.32159	0	0	0	RS-700	0.658316
3199	-122.363	37.71593	2072.73608	0	0	0	RS-700	0.670329
3200	-122.363	37.71593	1936.17272	0	0	0	RS-700	-0.00909
3201	-122.363	37.71593	1949.788	0	0	0	RS-700	0.058647
3202	-122.363	37.71592	2040.52057	0	0	0	RS-700	0.510053
3203	-122.363	37.71592	1985.4948	0	0	0	RS-700	0.236293
3204	-122.363	37.71592	2062.72533	0	0	0	RS-700	0.620524
3205	-122.363	37.71592	2046.35708	0	0	0	RS-700	0.53909
3206	-122.363	37.71592	2003.51173	0	0	0	RS-700	0.325929
3207	-122.363	37.71591	2027.51926	0	0	0	RS-700	0.445369
3208	-122.363	37.71591	2037.923	0	0	0	RS-700	0.497129
3209	-122.363	37.71591	1984.91644	0	0	0	RS-700	0.233415
3210	-122.363	37.71591	1969.00638	0	0	0	RS-700	0.154261
3211	-122.363	37.7159	2036.7265	0	0	0	RS-700	0.491177
3212	-122.363	37.7159	2029.8249	0	0	0	RS-700	0.45684
3213	-122.363	37.7159	1971.09687	0	0	0	RS-700	0.164661
3214	-122.363	37.7159	2009.70754	0	0	0	RS-700	0.356754
3215	-122.363	37.71589	1970.79257	0	0	0	RS-700	0.163147
3216	-122.363	37.71589	1964.30641	0	0	0	RS-700	0.130878
3217	-122.363	37.71589	1946.59429	0	0	0	RS-700	0.042758
3218	-122.363	37.71589	1955.87887	0	0	0	RS-700	0.08895
3219	-122.363	37.71588	1900.66303	0	0	0	RS-700	-0.18576
3220	-122.363	37.71588	2065.52829	0	0	0	RS-700	0.634469
3221	-122.363	37.71588	1974.5046	0	0	0	RS-700	0.181615
3222	-122.363	37.71588	1934.17208	0	0	0	RS-700	-0.01904
3223	-122.363	37.71587	1953.5946	0	0	0	RS-700	0.077585
3224	-122.363	37.71587	1925.39619	0	0	0	RS-700	-0.06271
3225	-122.363	37.71587	1944.98151	0	0	0	RS-700	0.034734
3226	-122.363	37.71587	1855.66992	0	0	0	RS-700	-0.4096
3227	-122.363	37.71586	1873.74687	0	0	0	RS-700	-0.31967
3228	-122.363	37.71586	1889.67467	0	0	0	RS-700	-0.24042
3229	-122.363	37.71586	1888.66865	0	0	0	RS-700	-0.24543
3230	-122.363	37.71586	1803.46117	0	0	0	RS-700	-0.66935
3231	-122.362	37.71585	1808.55101	0	0	0	RS-700	-0.64402
3232	-122.362	37.71585	1815.92259	0	0	0	RS-700	-0.60735
3233	-122.362	37.71585	1773.26883	0	0	0	RS-700	-0.81956
3234	-122.362	37.71585	1802.28117	0	0	0	RS-700	-0.67522
3235	-122.362	37.71584	1750.44554	0	0	0	RS-700	-0.93311
3236	-122.362	37.71584	1728.78569	0	0	0	RS-700	-1.04087
3237	-122.362	37.71584	1729.04761	0	0	0	RS-700	-1.03956
3238	-122.362	37.71584	1713.60854	0	0	0	RS-700	-1.11638
3239	-122.362	37.71583	1742.88554	0	0	0	RS-700	-0.97072

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3240	-122.362	37.71583	1715.35323	0	0	0	RS-700	-1.1077
3241	-122.362	37.71583	1741.53366	0	0	0	RS-700	-0.97744
3242	-122.362	37.71583	1704.17953	0	0	0	RS-700	-1.16329
3243	-122.362	37.71582	1665.59264	0	0	0	RS-700	-1.35526
3244	-122.362	37.71582	1763.8134	0	0	0	RS-700	-0.8666
3245	-122.362	37.71582	1740.79493	0	0	0	RS-700	-0.98112
3246	-122.362	37.71582	2014.3202	0	0	0	RS-700	0.379702
3247	-122.362	37.71581	1985.60938	0	0	0	RS-700	0.236863
3248	-122.362	37.71581	1945.39853	0	0	0	RS-700	0.036809
3249	-122.362	37.71581	1956.50673	0	0	0	RS-700	0.092073
3250	-122.362	37.71581	1961.78705	0	0	0	RS-700	0.118344
3251	-122.362	37.7158	1993.80031	0	0	0	RS-700	0.277613
3252	-122.362	37.7158	1988.50859	0	0	0	RS-700	0.251287
3253	-122.362	37.7158	2005.71664	0	0	0	RS-700	0.336899
3254	-122.362	37.7158	2119.86085	0	0	0	RS-700	0.90478
3255	-122.362	37.71579	1992.3042	0	0	0	RS-700	0.27017
3256	-122.362	37.71579	2009.82576	0	0	0	RS-700	0.357342
3257	-122.362	37.71579	2088.1311	0	0	0	RS-700	0.746921
3258	-122.362	37.71579	2040.93894	0	0	0	RS-700	0.512134
3259	-122.362	37.71578	2202.77813	0	0	0	RS-700	1.317304
3260	-122.362	37.71578	2084.32847	0	0	0	RS-700	0.728002
3261	-122.362	37.71578	1999.52739	0	0	0	RS-700	0.306106
3262	-122.362	37.71578	2098.85183	0	0	0	RS-700	0.800258
3263	-122.362	37.71577	1920.67259	0	0	0	RS-700	-0.08621
3264	-122.362	37.71577	1912.14855	0	0	0	RS-700	-0.12861
3265	-122.362	37.71577	1927.39502	0	0	0	RS-700	-0.05276
3266	-122.362	37.71576	1829.74525	0	0	0	RS-700	-0.53858
3267	-122.362	37.71576	1498.38693	0	0	0	RS-700	-2.18713
3268	-122.362	37.71576	1542.6293	0	0	0	RS-700	-1.96702
3269	-122.362	37.71576	1620.16985	0	0	0	RS-700	-1.58124
3270	-122.362	37.71576	1431.43734	0	0	0	RS-700	-2.52021
3271	-122.362	37.71576	1608.32974	0	0	0	RS-700	-1.64015
3272	-122.362	37.71576	1609.25091	0	0	0	RS-700	-1.63557
3273	-122.362	37.71577	1830.0146	0	0	0	RS-700	-0.53724
3274	-122.362	37.71577	2054.43448	0	0	0	RS-700	0.579276
3275	-122.362	37.71577	1939.06122	0	0	0	RS-700	0.00528
3276	-122.362	37.71577	2012.618	0	0	0	RS-700	0.371234
3277	-122.362	37.71578	2065.838	0	0	0	RS-700	0.63601
3278	-122.362	37.71577	2023.81281	0	0	0	RS-700	0.426929
3279	-122.362	37.71577	1917.06354	0	0	0	RS-700	-0.10416
3280	-122.362	37.71577	1988.60818	0	0	0	RS-700	0.251782
3281	-122.362	37.71577	1967.40815	0	0	0	RS-700	0.146309
3282	-122.362	37.71577	1738.52415	0	0	0	RS-700	-0.99242
3283	-122.362	37.71577	948.24295	0	0	0	RS-700	-4.92416
3284	-122.362	37.71576	792.08319	0	0	0	RS-700	-5.70108

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3285	-122.362	37.71576	784.045	0	0	0	RS-700	-5.74107
3286	-122.362	37.71576	765.22976	0	0	0	RS-700	-5.83468
3287	-122.362	37.71576	791.04473	0	0	0	RS-700	-5.70625
3288	-122.362	37.71576	832.12963	0	0	0	RS-700	-5.50184
3289	-122.362	37.71575	1424.15034	0	0	0	RS-700	-2.55647
3290	-122.362	37.71575	1847.56428	0	0	0	RS-700	-0.44993
3291	-122.362	37.71575	1497.83287	0	0	0	RS-700	-2.18989
3292	-122.362	37.71576	914.04949	0	0	0	RS-700	-5.09428
3293	-122.362	37.71575	1017.15674	0	0	0	RS-700	-4.58131
3294	-122.362	37.71575	1860.84795	0	0	0	RS-700	-0.38384
3295	-122.362	37.71575	1966.60432	0	0	0	RS-700	0.14231
3296	-122.362	37.71575	1978.79481	0	0	0	RS-700	0.202959
3297	-122.362	37.71574	2027.30967	0	0	0	RS-700	0.444327
3298	-122.362	37.71574	1781.8135	0	0	0	RS-700	-0.77705
3299	-122.362	37.71574	1360.34499	0	0	0	RS-700	-2.87391
3300	-122.362	37.71574	1273.33322	0	0	0	RS-700	-3.3068
3301	-122.362	37.71573	1579.40563	0	0	0	RS-700	-1.78405
3302	-122.362	37.71573	2002.91439	0	0	0	RS-700	0.322957
3303	-122.362	37.71573	2085.32545	0	0	0	RS-700	0.732962
3304	-122.362	37.71573	2115.64497	0	0	0	RS-700	0.883806
3305	-122.362	37.71573	2006.00329	0	0	0	RS-700	0.338325
3306	-122.362	37.71572	2155.75766	0	0	0	RS-700	1.083371
3307	-122.362	37.71572	2083.05356	0	0	0	RS-700	0.72166
3308	-122.362	37.71572	2148.76892	0	0	0	RS-700	1.048602
3309	-122.362	37.71572	2116.64752	0	0	0	RS-700	0.888794
3310	-122.362	37.71571	2001.88672	0	0	0	RS-700	0.317844
3311	-122.362	37.71571	1924.88424	0	0	0	RS-700	-0.06525
3312	-122.362	37.71571	2002.41338	0	0	0	RS-700	0.320465
3313	-122.362	37.71571	2084.84037	0	0	0	RS-700	0.730549
3314	-122.362	37.7157	1958.69591	0	0	0	RS-700	0.102965
3315	-122.362	37.7157	1983.90668	0	0	0	RS-700	0.228391
3316	-122.362	37.7157	1992.60987	0	0	0	RS-700	0.271691
3317	-122.362	37.7157	2099.75048	0	0	0	RS-700	0.804729
3318	-122.362	37.71569	2042.93233	0	0	0	RS-700	0.522051
3319	-122.362	37.71569	2093.22686	0	0	0	RS-700	0.772273
3320	-122.362	37.71569	2180.55794	0	0	0	RS-700	1.206756
3321	-122.362	37.71569	2188.43351	0	0	0	RS-700	1.245938
3322	-122.362	37.71569	2231.56978	0	0	0	RS-700	1.460546
3323	-122.362	37.71568	2257.13613	0	0	0	RS-700	1.587742
3324	-122.362	37.71568	2227.9052	0	0	0	RS-700	1.442314
3325	-122.362	37.71568	2392.84752	0	0	0	RS-700	2.262923
3326	-122.362	37.71568	2399.61242	0	0	0	RS-700	2.296579
3327	-122.362	37.71568	2364.92859	0	0	0	RS-700	2.124023
3328	-122.362	37.71568	2415.34799	0	0	0	RS-700	2.374866
3329	-122.362	37.71568	2385.97233	0	0	0	RS-700	2.228718

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3330	-122.362	37.71568	2361.07142	0	0	0	RS-700	2.104833
3331	-122.362	37.71568	2347.29133	0	0	0	RS-700	2.036275
3332	-122.362	37.71568	2373.0875	0	0	0	RS-700	2.164614
3333	-122.362	37.71568	2412.7433	0	0	0	RS-700	2.361907
3334	-122.362	37.71568	2359.08327	0	0	0	RS-700	2.094942
3335	-122.362	37.71568	2352.84235	0	0	0	RS-700	2.063892
3336	-122.362	37.71568	2365.63264	0	0	0	RS-700	2.127526
3337	-122.362	37.71567	2355.56779	0	0	0	RS-700	2.077452
3338	-122.362	37.71567	2288.93704	0	0	0	RS-700	1.745955
3339	-122.362	37.71567	2251.70614	0	0	0	RS-700	1.560727
3340	-122.362	37.71567	2217.01122	0	0	0	RS-700	1.388116
3341	-122.362	37.71567	2185.7746	0	0	0	RS-700	1.232709
3342	-122.362	37.71566	2169.32575	0	0	0	RS-700	1.150874
3343	-122.362	37.71567	2155.09453	0	0	0	RS-700	1.080072
3344	-122.362	37.71567	2127.85843	0	0	0	RS-700	0.944569
3345	-122.362	37.71567	2201.66635	0	0	0	RS-700	1.311773
3346	-122.362	37.71567	2200.78472	0	0	0	RS-700	1.307387
3347	-122.362	37.71566	2215.67793	0	0	0	RS-700	1.381482
3348	-122.362	37.71566	2237.91301	0	0	0	RS-700	1.492105
3349	-122.362	37.71565	2325.64286	0	0	0	RS-700	1.928571
3350	-122.362	37.71565	2418.96968	0	0	0	RS-700	2.392884
3351	-122.362	37.71565	2363.72254	0	0	0	RS-700	2.118023
3352	-122.362	37.71564	2427.86673	0	0	0	RS-700	2.437148
3353	-122.362	37.71564	2343.83033	0	0	0	RS-700	2.019056
3354	-122.362	37.71564	2508.14608	0	0	0	RS-700	2.836548
3355	-122.362	37.71564	2516.02728	0	0	0	RS-700	2.875758
3356	-122.362	37.71564	2411.2341	0	0	0	RS-700	2.354399
3357	-122.362	37.71564	2464.3731	0	0	0	RS-700	2.618772
3358	-122.362	37.71564	2378.20138	0	0	0	RS-700	2.190057
3359	-122.362	37.71563	2491.63697	0	0	0	RS-700	2.754413
3360	-122.362	37.71563	2415.1232	0	0	0	RS-700	2.373747
3361	-122.362	37.71563	2393.9712	0	0	0	RS-700	2.268513
3362	-122.362	37.71563	2435.11864	0	0	0	RS-700	2.473227
3363	-122.362	37.71563	2444.35376	0	0	0	RS-700	2.519173
3364	-122.362	37.71563	2495.26943	0	0	0	RS-700	2.772485
3365	-122.362	37.71563	2384.85212	0	0	0	RS-700	2.223145
3366	-122.362	37.71563	2338.06807	0	0	0	RS-700	1.990388
3367	-122.362	37.71563	2404.09095	0	0	0	RS-700	2.31886
3368	-122.362	37.71563	2297.17181	0	0	0	RS-700	1.786924
3369	-122.362	37.71563	2378.32968	0	0	0	RS-700	2.190695
3370	-122.362	37.71563	2284.93072	0	0	0	RS-700	1.726023
3371	-122.362	37.71563	2483.6356	0	0	0	RS-700	2.714605
3372	-122.362	37.71562	2429.9721	0	0	0	RS-700	2.447622
3373	-122.362	37.71562	2477.75729	0	0	0	RS-700	2.68536
3374	-122.362	37.71562	2497.89246	0	0	0	RS-700	2.785535

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3375	-122.362	37.71563	2494.62393	0	0	0	RS-700	2.769273
3376	-122.362	37.71563	2460.50724	0	0	0	RS-700	2.599539
3377	-122.362	37.71563	2395.98263	0	0	0	RS-700	2.278521
3378	-122.362	37.71563	2494.88154	0	0	0	RS-700	2.770555
3379	-122.362	37.71563	2370.79063	0	0	0	RS-700	2.153187
3380	-122.362	37.71563	2554.78392	0	0	0	RS-700	3.068577
3381	-122.362	37.71563	2447.86383	0	0	0	RS-700	2.536636
3382	-122.362	37.71562	2458.35189	0	0	0	RS-700	2.588815
3383	-122.362	37.71562	2492.88039	0	0	0	RS-700	2.760599
3384	-122.362	37.71562	2281.9282	0	0	0	RS-700	1.711086
3385	-122.362	37.71562	2335.57819	0	0	0	RS-700	1.978001
3386	-122.362	37.71562	2337.06321	0	0	0	RS-700	1.985389
3387	-122.362	37.71561	2227.77492	0	0	0	RS-700	1.441666
3388	-122.362	37.71561	2213.90156	0	0	0	RS-700	1.372645
3389	-122.362	37.71561	2132.22317	0	0	0	RS-700	0.966284
3390	-122.362	37.71561	2107.06663	0	0	0	RS-700	0.841128
3391	-122.362	37.71561	2062.83578	0	0	0	RS-700	0.621074
3392	-122.362	37.71562	2160.08158	0	0	0	RS-700	1.104883
3393	-122.362	37.71562	2150.9849	0	0	0	RS-700	1.059626
3394	-122.362	37.71561	2104.53806	0	0	0	RS-700	0.828548
3395	-122.362	37.71561	2129.7573	0	0	0	RS-700	0.954016
3396	-122.362	37.71562	2209.12256	0	0	0	RS-700	1.348868
3397	-122.362	37.71562	2274.03577	0	0	0	RS-700	1.67182
3398	-122.362	37.71562	2255.36526	0	0	0	RS-700	1.578932
3399	-122.362	37.71562	2354.73072	0	0	0	RS-700	2.073287
3400	-122.362	37.71563	2464.88055	0	0	0	RS-700	2.621296
3401	-122.362	37.71563	2492.5997	0	0	0	RS-700	2.759202
3402	-122.362	37.71563	2434.84499	0	0	0	RS-700	2.471866
3403	-122.362	37.71563	2546.51462	0	0	0	RS-700	3.027436
3404	-122.362	37.71563	2370.59655	0	0	0	RS-700	2.152222
3405	-122.362	37.71563	2494.01157	0	0	0	RS-700	2.766227
3406	-122.362	37.71563	2359.43911	0	0	0	RS-700	2.096712
3407	-122.362	37.71563	2353.60783	0	0	0	RS-700	2.067701
3408	-122.362	37.71563	2260.26159	0	0	0	RS-700	1.603291
3409	-122.362	37.71563	2305.93672	0	0	0	RS-700	1.830531
3410	-122.362	37.71563	2414.23634	0	0	0	RS-700	2.369335
3411	-122.362	37.71563	2400.07413	0	0	0	RS-700	2.298876
3412	-122.362	37.71563	2432.22499	0	0	0	RS-700	2.458831
3413	-122.362	37.71564	2352.95579	0	0	0	RS-700	2.064457
3414	-122.362	37.71564	2454.36345	0	0	0	RS-700	2.568972
3415	-122.362	37.71564	2399.2622	0	0	0	RS-700	2.294837
3416	-122.362	37.71565	2364.68506	0	0	0	RS-700	2.122811
3417	-122.362	37.71564	2422.10174	0	0	0	RS-700	2.408466
3418	-122.362	37.71564	2263.37263	0	0	0	RS-700	1.618769
3419	-122.362	37.71563	2403.36949	0	0	0	RS-700	2.315271

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3420	-122.362	37.71563	2384.72962	0	0	0	RS-700	2.222535
3421	-122.362	37.71563	2312.15803	0	0	0	RS-700	1.861483
3422	-122.362	37.71563	2417.10376	0	0	0	RS-700	2.383601
3423	-122.362	37.71562	2381.4393	0	0	0	RS-700	2.206166
3424	-122.362	37.71561	2208.45465	0	0	0	RS-700	1.345546
3425	-122.362	37.71561	2190.67761	0	0	0	RS-700	1.257103
3426	-122.362	37.71561	2247.14247	0	0	0	RS-700	1.538022
3427	-122.362	37.71561	2165.2163	0	0	0	RS-700	1.130429
3428	-122.362	37.71561	2142.88044	0	0	0	RS-700	1.019306
3429	-122.362	37.71561	2097.85435	0	0	0	RS-700	0.795295
3430	-122.362	37.71562	2200.32979	0	0	0	RS-700	1.305123
3431	-122.362	37.71562	2269.4667	0	0	0	RS-700	1.649088
3432	-122.362	37.71562	2312.05251	0	0	0	RS-700	1.860958
3433	-122.362	37.71562	2283.27018	0	0	0	RS-700	1.717762
3434	-122.362	37.71562	2150.76705	0	0	0	RS-700	1.058543
3435	-122.362	37.71561	2158.76893	0	0	0	RS-700	1.098353
3436	-122.362	37.71561	2134.54493	0	0	0	RS-700	0.977835
3437	-122.362	37.71561	2081.63706	0	0	0	RS-700	0.714612
3438	-122.362	37.7156	2070.9445	0	0	0	RS-700	0.661415
3439	-122.362	37.7156	2080.84566	0	0	0	RS-700	0.710675
3440	-122.362	37.7156	1994.00115	0	0	0	RS-700	0.278613
3441	-122.362	37.7156	1931.95613	0	0	0	RS-700	-0.03007
3442	-122.362	37.7156	2020.91894	0	0	0	RS-700	0.412532
3443	-122.362	37.71559	1838.57732	0	0	0	RS-700	-0.49464
3444	-122.362	37.71559	1834.38802	0	0	0	RS-700	-0.51548
3445	-122.362	37.71559	1993.00706	0	0	0	RS-700	0.273667
3446	-122.362	37.71559	1882.14119	0	0	0	RS-700	-0.2779
3447	-122.362	37.71558	1918.77417	0	0	0	RS-700	-0.09565
3448	-122.362	37.71558	1796.81824	0	0	0	RS-700	-0.7024
3449	-122.362	37.71558	1773.27746	0	0	0	RS-700	-0.81952
3450	-122.362	37.71557	1735.61429	0	0	0	RS-700	-1.00689
3451	-122.362	37.71557	1720.69888	0	0	0	RS-700	-1.0811
3452	-122.362	37.71557	1766.56492	0	0	0	RS-700	-0.85291
3453	-122.362	37.71557	1761.35874	0	0	0	RS-700	-0.87881
3454	-122.362	37.71556	1833.64647	0	0	0	RS-700	-0.51917
3455	-122.362	37.71556	1863.01303	0	0	0	RS-700	-0.37307
3456	-122.362	37.71556	1941.40512	0	0	0	RS-700	0.016941
3457	-122.362	37.71556	1958.79401	0	0	0	RS-700	0.103453
3458	-122.362	37.71555	1919.49106	0	0	0	RS-700	-0.09208
3459	-122.362	37.71555	1916.25515	0	0	0	RS-700	-0.10818
3460	-122.362	37.71555	1961.08852	0	0	0	RS-700	0.114868
3461	-122.362	37.71555	1921.39187	0	0	0	RS-700	-0.08263
3462	-122.362	37.71554	1872.85653	0	0	0	RS-700	-0.3241
3463	-122.362	37.71554	1912.24961	0	0	0	RS-700	-0.12811
3464	-122.362	37.71554	1559.40048	0	0	0	RS-700	-1.88358

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3465	-122.362	37.71554	1769.80877	0	0	0	RS-700	-0.83677
3466	-122.362	37.71553	1857.37731	0	0	0	RS-700	-0.40111
3467	-122.362	37.71553	1956.88901	0	0	0	RS-700	0.093975
3468	-122.362	37.71553	1860.65742	0	0	0	RS-700	-0.38479
3469	-122.362	37.71553	1883.57633	0	0	0	RS-700	-0.27076
3470	-122.362	37.71552	1879.02631	0	0	0	RS-700	-0.2934
3471	-122.362	37.71552	1941.40023	0	0	0	RS-700	0.016917
3472	-122.362	37.71552	1895.24007	0	0	0	RS-700	-0.21274
3473	-122.362	37.71552	1981.70643	0	0	0	RS-700	0.217445
3474	-122.362	37.71552	2014.61586	0	0	0	RS-700	0.381173
3475	-122.362	37.71551	1886.57298	0	0	0	RS-700	-0.25586
3476	-122.362	37.71551	2077.27001	0	0	0	RS-700	0.692886
3477	-122.362	37.71551	1977.00758	0	0	0	RS-700	0.194068
3478	-122.362	37.71551	2012.31686	0	0	0	RS-700	0.369736
3479	-122.362	37.7155	1940.78756	0	0	0	RS-700	0.013868
3480	-122.362	37.7155	1987.00395	0	0	0	RS-700	0.243801
3481	-122.362	37.7155	1960.18553	0	0	0	RS-700	0.110376
3482	-122.362	37.7155	1968.78615	0	0	0	RS-700	0.153165
3483	-122.362	37.7155	1926.784	0	0	0	RS-700	-0.0558
3484	-122.362	37.71549	1935.28665	0	0	0	RS-700	-0.0135
3485	-122.362	37.71549	1977.70562	0	0	0	RS-700	0.19754
3486	-122.362	37.71549	1873.75599	0	0	0	RS-700	-0.31962
3487	-122.362	37.71549	1899.20041	0	0	0	RS-700	-0.19303
3488	-122.362	37.71548	1938.40079	0	0	0	RS-700	0.001994
3489	-122.362	37.71548	1913.5854	0	0	0	RS-700	-0.12147
3490	-122.362	37.71548	1962.89725	0	0	0	RS-700	0.123867
3491	-122.362	37.71548	1872.41509	0	0	0	RS-700	-0.32629
3492	-122.362	37.71547	1808.55755	0	0	0	RS-700	-0.64399
3493	-122.362	37.71547	1449.4427	0	0	0	RS-700	-2.43063
3494	-122.362	37.71547	895.27345	0	0	0	RS-700	-5.18769
3495	-122.362	37.71547	713.00319	0	0	0	RS-700	-6.09451
3496	-122.362	37.71547	720.11348	0	0	0	RS-700	-6.05914
3497	-122.362	37.71546	748.07762	0	0	0	RS-700	-5.92001
3498	-122.362	37.71547	805.2863	0	0	0	RS-700	-5.63539
3499	-122.362	37.71546	748.11722	0	0	0	RS-700	-5.91981
3500	-122.362	37.71546	950.19562	0	0	0	RS-700	-4.91445
3501	-122.362	37.71546	1493.38139	0	0	0	RS-700	-2.21203
3502	-122.362	37.71546	1756.53816	0	0	0	RS-700	-0.9028
3503	-122.362	37.71546	1541.38158	0	0	0	RS-700	-1.97323
3504	-122.362	37.71546	1744.45497	0	0	0	RS-700	-0.96291
3505	-122.362	37.71546	1643.27303	0	0	0	RS-700	-1.4663
3506	-122.362	37.71546	1599.32967	0	0	0	RS-700	-1.68493
3507	-122.362	37.71546	1802.64855	0	0	0	RS-700	-0.67339
3508	-122.362	37.71546	1817.7452	0	0	0	RS-700	-0.59828
3509	-122.362	37.71545	1767.4621	0	0	0	RS-700	-0.84845



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3510	-122.362	37.71545	1378.45021	0	0	0	RS-700	-2.78383
3511	-122.362	37.71545	1128.09553	0	0	0	RS-700	-4.02938
3512	-122.362	37.71545	1188.34023	0	0	0	RS-700	-3.72965
3513	-122.362	37.71544	1781.27628	0	0	0	RS-700	-0.77972
3514	-122.362	37.71544	1845.56576	0	0	0	RS-700	-0.45987
3515	-122.362	37.71544	1890.48597	0	0	0	RS-700	-0.23639
3516	-122.362	37.71543	1903.68098	0	0	0	RS-700	-0.17074
3517	-122.362	37.71543	1945.60804	0	0	0	RS-700	0.037851
3518	-122.362	37.71543	1913.77674	0	0	0	RS-700	-0.12051
3519	-122.362	37.71543	1900.79247	0	0	0	RS-700	-0.18511
3520	-122.362	37.71543	1961.59601	0	0	0	RS-700	0.117393
3521	-122.362	37.71542	1999.51048	0	0	0	RS-700	0.306022
3522	-122.362	37.71542	2047.9313	0	0	0	RS-700	0.546922
3523	-122.362	37.71542	2026.02754	0	0	0	RS-700	0.437948
3524	-122.362	37.71541	2007.40296	0	0	0	RS-700	0.345288
3525	-122.362	37.71541	1977.80229	0	0	0	RS-700	0.198021
3526	-122.362	37.71541	1880.19706	0	0	0	RS-700	-0.28758
3527	-122.362	37.71541	1918.39352	0	0	0	RS-700	-0.09754
3528	-122.362	37.7154	2009.5129	0	0	0	RS-700	0.355786
3529	-122.362	37.7154	1864.03761	0	0	0	RS-700	-0.36797
3530	-122.362	37.7154	1926.42097	0	0	0	RS-700	-0.05761
3531	-122.362	37.7154	1946.59408	0	0	0	RS-700	0.042757
3532	-122.362	37.71539	1961.80619	0	0	0	RS-700	0.118439
3533	-122.362	37.71539	1944.98474	0	0	0	RS-700	0.03475
3534	-122.362	37.71539	1923.08542	0	0	0	RS-700	-0.0742
3535	-122.362	37.71538	1855.84463	0	0	0	RS-700	-0.40873
3536	-122.362	37.71538	1917.59559	0	0	0	RS-700	-0.10151
3537	-122.362	37.71538	1838.20135	0	0	0	RS-700	-0.49651
3538	-122.362	37.71538	1911.39312	0	0	0	RS-700	-0.13237
3539	-122.362	37.71537	1961.51958	0	0	0	RS-700	0.117013
3540	-122.362	37.71537	1966.40438	0	0	0	RS-700	0.141315
3541	-122.362	37.71537	1886.67072	0	0	0	RS-700	-0.25537
3542	-122.362	37.71536	1972.81467	0	0	0	RS-700	0.173207
3543	-122.362	37.71536	1833.92748	0	0	0	RS-700	-0.51777
3544	-122.362	37.71536	1890.76339	0	0	0	RS-700	-0.23501
3545	-122.362	37.71536	1833.46885	0	0	0	RS-700	-0.52006
3546	-122.362	37.71535	1891.68031	0	0	0	RS-700	-0.23045
3547	-122.362	37.71535	1872.67941	0	0	0	RS-700	-0.32498
3548	-122.362	37.71535	2066.26268	0	0	0	RS-700	0.638123
3549	-122.362	37.71535	1943.49813	0	0	0	RS-700	0.027354
3550	-122.362	37.71534	1943.69163	0	0	0	RS-700	0.028317
3551	-122.362	37.71534	1892.38668	0	0	0	RS-700	-0.22693
3552	-122.362	37.71534	1942.70345	0	0	0	RS-700	0.0234
3553	-122.362	37.71534	1954.59855	0	0	0	RS-700	0.08258
3554	-122.362	37.71533	1954.88807	0	0	0	RS-700	0.08402

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3555	-122.362	37.71533	1958.7992	0	0	0	RS-700	0.103479
3556	-122.362	37.71533	1974.69992	0	0	0	RS-700	0.182587
3557	-122.362	37.71533	1815.18909	0	0	0	RS-700	-0.611
3558	-122.362	37.71533	1844.84014	0	0	0	RS-700	-0.46348
3559	-122.362	37.71532	1927.96828	0	0	0	RS-700	-0.04991
3560	-122.362	37.71532	1836.6657	0	0	0	RS-700	-0.50415
3561	-122.362	37.71532	1819.28121	0	0	0	RS-700	-0.59064
3562	-122.362	37.71532	1906.25446	0	0	0	RS-700	-0.15794
3563	-122.362	37.71532	1822.7458	0	0	0	RS-700	-0.5734
3564	-122.362	37.71531	1910.49191	0	0	0	RS-700	-0.13686
3565	-122.362	37.71531	1877.76756	0	0	0	RS-700	-0.29966
3566	-122.362	37.71531	1946.87989	0	0	0	RS-700	0.044179
3567	-122.362	37.71531	1798.91161	0	0	0	RS-700	-0.69198
3568	-122.362	37.7153	1871.85586	0	0	0	RS-700	-0.32908
3569	-122.362	37.7153	1782.63411	0	0	0	RS-700	-0.77296
3570	-122.362	37.7153	1838.8389	0	0	0	RS-700	-0.49334
3571	-122.362	37.7153	1813.55496	0	0	0	RS-700	-0.61913
3572	-122.362	37.71529	1888.67297	0	0	0	RS-700	-0.24541
3573	-122.362	37.71529	1808.55813	0	0	0	RS-700	-0.64399
3574	-122.362	37.71529	1847.56606	0	0	0	RS-700	-0.44992
3575	-122.362	37.71528	1718.61446	0	0	0	RS-700	-1.09147
3576	-122.362	37.71528	1847.93163	0	0	0	RS-700	-0.4481
3577	-122.362	37.71528	1805.55264	0	0	0	RS-700	-0.65894
3578	-122.362	37.71528	1853.03031	0	0	0	RS-700	-0.42273
3579	-122.362	37.71527	1809.99896	0	0	0	RS-700	-0.63682
3580	-122.362	37.71527	1835.29647	0	0	0	RS-700	-0.51096
3581	-122.362	37.71527	1839.65178	0	0	0	RS-700	-0.48929
3582	-122.362	37.71527	1865.66758	0	0	0	RS-700	-0.35986
3583	-122.362	37.71527	1825.36679	0	0	0	RS-700	-0.56036
3584	-122.361	37.71526	1916.68591	0	0	0	RS-700	-0.10604
3585	-122.361	37.71526	1850.47427	0	0	0	RS-700	-0.43545
3586	-122.361	37.71526	1860.75644	0	0	0	RS-700	-0.3843
3587	-122.361	37.71526	1901.33916	0	0	0	RS-700	-0.18239
3588	-122.361	37.71525	1786.81699	0	0	0	RS-700	-0.75215
3589	-122.361	37.71525	1814.27746	0	0	0	RS-700	-0.61554
3590	-122.361	37.71525	1834.56146	0	0	0	RS-700	-0.51462
3591	-122.361	37.71525	1782.36679	0	0	0	RS-700	-0.77429
3592	-122.361	37.71524	1805.45918	0	0	0	RS-700	-0.65941
3593	-122.361	37.71524	1755.79385	0	0	0	RS-700	-0.9065
3594	-122.361	37.71524	1772.36433	0	0	0	RS-700	-0.82406
3595	-122.361	37.71524	1873.66844	0	0	0	RS-700	-0.32006
3596	-122.361	37.71523	1776.27461	0	0	0	RS-700	-0.8046
3597	-122.361	37.71523	1832.65166	0	0	0	RS-700	-0.52412
3598	-122.361	37.71523	1884.95442	0	0	0	RS-700	-0.26391
3599	-122.361	37.71523	1820.7376	0	0	0	RS-700	-0.5834

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3600	-122.361	37.71522	1796.37665	0	0	0	RS-700	-0.70459
3601	-122.361	37.71522	1828.64892	0	0	0	RS-700	-0.54404
3602	-122.361	37.71522	1726.52813	0	0	0	RS-700	-1.0521
3603	-122.361	37.71522	1834.2038	0	0	0	RS-700	-0.5164
3604	-122.361	37.71522	1805.73367	0	0	0	RS-700	-0.65804
3605	-122.361	37.71521	1788.73592	0	0	0	RS-700	-0.74261
3606	-122.361	37.71521	1790.90491	0	0	0	RS-700	-0.73182
3607	-122.361	37.71521	1758.27663	0	0	0	RS-700	-0.89415
3608	-122.361	37.71521	1780.89899	0	0	0	RS-700	-0.7816
3609	-122.361	37.7152	1829.39724	0	0	0	RS-700	-0.54031
3610	-122.361	37.7152	1772.91044	0	0	0	RS-700	-0.82134
3611	-122.361	37.7152	1862.47326	0	0	0	RS-700	-0.37575
3612	-122.361	37.7152	1863.66537	0	0	0	RS-700	-0.36982
3613	-122.361	37.7152	1859.47349	0	0	0	RS-700	-0.39068
3614	-122.361	37.71519	1898.57101	0	0	0	RS-700	-0.19616
3615	-122.361	37.71519	1857.6669	0	0	0	RS-700	-0.39967
3616	-122.361	37.71519	1860.85124	0	0	0	RS-700	-0.38382
3617	-122.361	37.71518	1678.51518	0	0	0	RS-700	-1.29097
3618	-122.361	37.71518	1121.28529	0	0	0	RS-700	-4.06326
3619	-122.361	37.71518	722.15067	0	0	0	RS-700	-6.049
3620	-122.361	37.71518	744.07807	0	0	0	RS-700	-5.93991
3621	-122.361	37.71517	1021.05818	0	0	0	RS-700	-4.5619
3622	-122.361	37.71517	1693.43148	0	0	0	RS-700	-1.21676
3623	-122.361	37.71517	1760.97709	0	0	0	RS-700	-0.88071
3624	-122.361	37.71517	1831.74899	0	0	0	RS-700	-0.52861
3625	-122.361	37.71517	1796.54928	0	0	0	RS-700	-0.70373
3626	-122.361	37.71516	1527.54958	0	0	0	RS-700	-2.04204
3627	-122.361	37.71516	1177.34151	0	0	0	RS-700	-3.78437
3628	-122.361	37.71516	1088.07033	0	0	0	RS-700	-4.22851
3629	-122.361	37.71516	1240.36494	0	0	0	RS-700	-3.47082
3630	-122.361	37.71515	1739.44409	0	0	0	RS-700	-0.98784
3631	-122.361	37.71515	1749.09677	0	0	0	RS-700	-0.93982
3632	-122.361	37.71515	1741.09798	0	0	0	RS-700	-0.97961
3633	-122.361	37.71515	1742.35457	0	0	0	RS-700	-0.97336
3634	-122.361	37.71515	1783.45775	0	0	0	RS-700	-0.76887
3635	-122.361	37.71514	1819.7397	0	0	0	RS-700	-0.58836
3636	-122.361	37.71514	1774.45787	0	0	0	RS-700	-0.81364
3637	-122.361	37.71514	1909.39304	0	0	0	RS-700	-0.14232
3638	-122.361	37.71514	2056.94531	0	0	0	RS-700	0.591768
3639	-122.361	37.71513	1929.58974	0	0	0	RS-700	-0.04184
3640	-122.361	37.71513	2012.82123	0	0	0	RS-700	0.372245
3641	-122.361	37.71513	1987.50644	0	0	0	RS-700	0.246301
3642	-122.361	37.71513	2074.63762	0	0	0	RS-700	0.679789
3643	-122.361	37.71512	1940.59363	0	0	0	RS-700	0.012904
3644	-122.361	37.71512	2075.73927	0	0	0	RS-700	0.68527

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3645	-122.361	37.71512	1980.70087	0	0	0	RS-700	0.212442
3646	-122.361	37.71512	1939.39831	0	0	0	RS-700	0.006957
3647	-122.361	37.71511	2020.8204	0	0	0	RS-700	0.412042
3648	-122.361	37.71511	1961.79548	0	0	0	RS-700	0.118385
3649	-122.361	37.71511	1952.08752	0	0	0	RS-700	0.070087
3650	-122.361	37.71511	1995.30888	0	0	0	RS-700	0.285119
3651	-122.361	37.7151	1959.89563	0	0	0	RS-700	0.108933
3652	-122.361	37.7151	1876.95069	0	0	0	RS-700	-0.30373
3653	-122.361	37.7151	1854.0312	0	0	0	RS-700	-0.41776
3654	-122.361	37.7151	1930.88465	0	0	0	RS-700	-0.0354
3655	-122.361	37.71509	1834.92346	0	0	0	RS-700	-0.51282
3656	-122.361	37.71509	1854.65701	0	0	0	RS-700	-0.41464
3657	-122.361	37.71509	1914.06193	0	0	0	RS-700	-0.11909
3658	-122.361	37.71509	1859.75494	0	0	0	RS-700	-0.38928
3659	-122.361	37.71508	1930.68238	0	0	0	RS-700	-0.03641
3660	-122.361	37.71508	1833.56041	0	0	0	RS-700	-0.5196
3661	-122.361	37.71508	1849.74813	0	0	0	RS-700	-0.43906
3662	-122.361	37.71508	1974.50649	0	0	0	RS-700	0.181624
3663	-122.361	37.71508	1913.6894	0	0	0	RS-700	-0.12095
3664	-122.361	37.71507	1885.29671	0	0	0	RS-700	-0.26221
3665	-122.361	37.71507	1920.79063	0	0	0	RS-700	-0.08562
3666	-122.361	37.71507	1881.58206	0	0	0	RS-700	-0.28069
3667	-122.361	37.71507	1862.31827	0	0	0	RS-700	-0.37653
3668	-122.361	37.71506	1866.66909	0	0	0	RS-700	-0.35488
3669	-122.361	37.71506	1823.56062	0	0	0	RS-700	-0.56935
3670	-122.361	37.71506	1881.38855	0	0	0	RS-700	-0.28165
3671	-122.361	37.71506	1833.28809	0	0	0	RS-700	-0.52095
3672	-122.361	37.71505	1899.48703	0	0	0	RS-700	-0.19161
3673	-122.361	37.71505	1832.37587	0	0	0	RS-700	-0.52549
3674	-122.361	37.71505	1919.67667	0	0	0	RS-700	-0.09116
3675	-122.361	37.71505	1841.65755	0	0	0	RS-700	-0.47932
3676	-122.361	37.71504	1881.87314	0	0	0	RS-700	-0.27924
3677	-122.361	37.71504	1859.66298	0	0	0	RS-700	-0.38974
3678	-122.361	37.71504	1802.46279	0	0	0	RS-700	-0.67431
3679	-122.361	37.71504	1934.17188	0	0	0	RS-700	-0.01905
3680	-122.361	37.71503	1886.66869	0	0	0	RS-700	-0.25538
3681	-122.361	37.71503	1801.89761	0	0	0	RS-700	-0.67713
3682	-122.361	37.71503	1897.86766	0	0	0	RS-700	-0.19966
3683	-122.361	37.71503	1891.48261	0	0	0	RS-700	-0.23143
3684	-122.361	37.71502	1989.20866	0	0	0	RS-700	0.254769
3685	-122.361	37.71502	2022.83476	0	0	0	RS-700	0.422063
3686	-122.361	37.71502	1986.70879	0	0	0	RS-700	0.242332
3687	-122.361	37.71502	1997.72666	0	0	0	RS-700	0.297148
3688	-122.361	37.71501	1962.99874	0	0	0	RS-700	0.124372
3689	-122.361	37.71501	2008.61216	0	0	0	RS-700	0.351304

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3690	-122.361	37.71501	2000.8326	0	0	0	RS-700	0.3126
3691	-122.361	37.71501	1942.49392	0	0	0	RS-700	0.022358
3692	-122.361	37.715	1895.67124	0	0	0	RS-700	-0.21059
3693	-122.361	37.715	1871.22902	0	0	0	RS-700	-0.33219
3694	-122.361	37.715	1898.94247	0	0	0	RS-700	-0.19432
3695	-122.361	37.715	1859.65672	0	0	0	RS-700	-0.38977
3696	-122.361	37.71499	1826.46364	0	0	0	RS-700	-0.55491
3697	-122.361	37.71499	1829.28394	0	0	0	RS-700	-0.54088
3698	-122.361	37.71499	1923.26746	0	0	0	RS-700	-0.0733
3699	-122.361	37.71499	1828.18647	0	0	0	RS-700	-0.54634
3700	-122.361	37.71498	1857.94097	0	0	0	RS-700	-0.3983
3701	-122.361	37.71498	1851.03798	0	0	0	RS-700	-0.43265
3702	-122.361	37.71498	1902.68223	0	0	0	RS-700	-0.17571
3703	-122.361	37.71497	1907.20564	0	0	0	RS-700	-0.15321
3704	-122.361	37.71497	1877.95006	0	0	0	RS-700	-0.29876
3705	-122.361	37.71497	1600.73046	0	0	0	RS-700	-1.67796
3706	-122.361	37.71497	1162.1305	0	0	0	RS-700	-3.86005
3707	-122.361	37.71496	1125.28988	0	0	0	RS-700	-4.04333
3708	-122.361	37.71496	1419.51457	0	0	0	RS-700	-2.57953
3709	-122.361	37.71496	1787.62881	0	0	0	RS-700	-0.74812
3710	-122.361	37.71496	1995.91545	0	0	0	RS-700	0.288137
3711	-122.361	37.71495	1926.68748	0	0	0	RS-700	-0.05628
3712	-122.361	37.71495	2016.63329	0	0	0	RS-700	0.39121
3713	-122.361	37.71495	1877.66831	0	0	0	RS-700	-0.30016
3714	-122.361	37.71495	1881.48014	0	0	0	RS-700	-0.28119
3715	-122.361	37.71494	1883.14096	0	0	0	RS-700	-0.27293
3716	-122.361	37.71494	1830.09644	0	0	0	RS-700	-0.53683
3717	-122.361	37.71494	1839.65338	0	0	0	RS-700	-0.48929
3718	-122.361	37.71494	1899.57122	0	0	0	RS-700	-0.19119
3719	-122.361	37.71493	1843.47156	0	0	0	RS-700	-0.47029
3720	-122.361	37.71493	1862.28824	0	0	0	RS-700	-0.37668
3721	-122.361	37.71493	1804.543	0	0	0	RS-700	-0.66397
3722	-122.361	37.71493	1883.39391	0	0	0	RS-700	-0.27167
3723	-122.361	37.71492	1798.09616	0	0	0	RS-700	-0.69604
3724	-122.361	37.71492	1902.39152	0	0	0	RS-700	-0.17716
3725	-122.361	37.71492	1871.66528	0	0	0	RS-700	-0.33002
3726	-122.361	37.71492	1839.5621	0	0	0	RS-700	-0.48974
3727	-122.361	37.71491	1826.558	0	0	0	RS-700	-0.55444
3728	-122.361	37.71491	1846.84302	0	0	0	RS-700	-0.45352
3729	-122.361	37.71491	1901.39008	0	0	0	RS-700	-0.18214
3730	-122.361	37.7149	1927.5965	0	0	0	RS-700	-0.05176
3731	-122.361	37.7149	1932.68518	0	0	0	RS-700	-0.02644
3732	-122.361	37.7149	1926.78568	0	0	0	RS-700	-0.05579
3733	-122.361	37.7149	1852.28729	0	0	0	RS-700	-0.42643
3734	-122.361	37.71489	1885.2966	0	0	0	RS-700	-0.26221

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3735	-122.361	37.71489	1782.7227	0	0	0	RS-700	-0.77252
3736	-122.361	37.71489	1047.26954	0	0	0	RS-700	-4.43149
3737	-122.361	37.71489	733.18467	0	0	0	RS-700	-5.99411
3738	-122.361	37.71488	675.03647	0	0	0	RS-700	-6.2834
3739	-122.361	37.71488	867.26465	0	0	0	RS-700	-5.32704
3740	-122.361	37.71488	1512.38918	0	0	0	RS-700	-2.11747
3741	-122.361	37.71488	1777.07684	0	0	0	RS-700	-0.80061
3742	-122.361	37.71488	1812.82713	0	0	0	RS-700	-0.62275
3743	-122.361	37.71487	1777.72065	0	0	0	RS-700	-0.79741
3744	-122.361	37.71487	1405.14567	0	0	0	RS-700	-2.65102
3745	-122.361	37.71487	1029.1083	0	0	0	RS-700	-4.52185
3746	-122.361	37.71487	942.00566	0	0	0	RS-700	-4.9552
3747	-122.361	37.71486	1457.37088	0	0	0	RS-700	-2.39119
3748	-122.361	37.71486	1860.3827	0	0	0	RS-700	-0.38616
3749	-122.361	37.71486	1960.89547	0	0	0	RS-700	0.113908
3750	-122.361	37.71486	1976.12202	0	0	0	RS-700	0.189662
3751	-122.361	37.71485	1913.155	0	0	0	RS-700	-0.12361
3752	-122.361	37.71485	1970.80311	0	0	0	RS-700	0.1632
3753	-122.361	37.71485	1831.28777	0	0	0	RS-700	-0.53091
3754	-122.361	37.71485	1937.58833	0	0	0	RS-700	-0.00205
3755	-122.361	37.71484	2014.91701	0	0	0	RS-700	0.382672
3756	-122.361	37.71484	1972.89769	0	0	0	RS-700	0.17362
3757	-122.361	37.71484	1939.59682	0	0	0	RS-700	0.007944
3758	-122.361	37.71484	1976.00039	0	0	0	RS-700	0.189057
3759	-122.361	37.71483	1964.89599	0	0	0	RS-700	0.133811
3760	-122.361	37.71483	1931.29778	0	0	0	RS-700	-0.03334
3761	-122.361	37.71483	1925.49131	0	0	0	RS-700	-0.06223
3762	-122.361	37.71482	1956.69893	0	0	0	RS-700	0.09303
3763	-122.361	37.71482	1966.803	0	0	0	RS-700	0.143299
3764	-122.361	37.71482	1942.99133	0	0	0	RS-700	0.024832
3765	-122.361	37.71482	1994.71181	0	0	0	RS-700	0.282148
3766	-122.361	37.71481	1981.90801	0	0	0	RS-700	0.218448
3767	-122.361	37.71481	1951.88929	0	0	0	RS-700	0.069101
3768	-122.361	37.71481	1920.96892	0	0	0	RS-700	-0.08473
3769	-122.361	37.7148	1917.67885	0	0	0	RS-700	-0.1011
3770	-122.361	37.7148	1950.27422	0	0	0	RS-700	0.061066
3771	-122.361	37.7148	1957.60159	0	0	0	RS-700	0.09752
3772	-122.361	37.7148	1920.58838	0	0	0	RS-700	-0.08662
3773	-122.361	37.71479	1988.40583	0	0	0	RS-700	0.250775
3774	-122.361	37.71479	1877.56772	0	0	0	RS-700	-0.30066
3775	-122.361	37.71479	1853.84329	0	0	0	RS-700	-0.41869
3776	-122.361	37.71478	1884.66793	0	0	0	RS-700	-0.26533
3777	-122.361	37.71478	1839.56254	0	0	0	RS-700	-0.48974
3778	-122.361	37.71478	1846.75335	0	0	0	RS-700	-0.45396
3779	-122.361	37.71478	1888.77058	0	0	0	RS-700	-0.24492

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3780	-122.361	37.71477	1869.85313	0	0	0	RS-700	-0.33904
3781	-122.361	37.71477	1895.67036	0	0	0	RS-700	-0.2106
3782	-122.361	37.71477	1968.69653	0	0	0	RS-700	0.152719
3783	-122.361	37.71476	1834.65224	0	0	0	RS-700	-0.51417
3784	-122.361	37.71476	1799.74493	0	0	0	RS-700	-0.68784
3785	-122.361	37.71476	1837.56295	0	0	0	RS-700	-0.49969
3786	-122.361	37.71476	1860.29649	0	0	0	RS-700	-0.38658
3787	-122.361	37.71475	1948.5028	0	0	0	RS-700	0.052253
3788	-122.361	37.71475	1822.64684	0	0	0	RS-700	-0.5739
3789	-122.361	37.71475	1958.39332	0	0	0	RS-700	0.101459
3790	-122.361	37.71474	1944.88259	0	0	0	RS-700	0.034242
3791	-122.361	37.71474	1918.2542	0	0	0	RS-700	-0.09824
3792	-122.361	37.71474	1979.70869	0	0	0	RS-700	0.207506
3793	-122.361	37.71474	2002.31195	0	0	0	RS-700	0.31996
3794	-122.361	37.71473	1945.40108	0	0	0	RS-700	0.036821
3795	-122.361	37.71473	2043.72616	0	0	0	RS-700	0.526001
3796	-122.361	37.71473	1921.68626	0	0	0	RS-700	-0.08116
3797	-122.361	37.71472	1932.88107	0	0	0	RS-700	-0.02547
3798	-122.361	37.71472	1929.88263	0	0	0	RS-700	-0.04038
3799	-122.361	37.71472	1901.15175	0	0	0	RS-700	-0.18332
3800	-122.361	37.71472	1910.25396	0	0	0	RS-700	-0.13804
3801	-122.361	37.71471	1971.89376	0	0	0	RS-700	0.168626
3802	-122.361	37.71471	1928.87794	0	0	0	RS-700	-0.04538
3803	-122.361	37.71471	1910.77667	0	0	0	RS-700	-0.13544
3804	-122.361	37.71471	1831.73344	0	0	0	RS-700	-0.52869
3805	-122.361	37.7147	1911.19203	0	0	0	RS-700	-0.13337
3806	-122.361	37.7147	1939.17045	0	0	0	RS-700	0.005823
3807	-122.361	37.7147	1883.60964	0	0	0	RS-700	-0.2706
3808	-122.361	37.71469	1911.68165	0	0	0	RS-700	-0.13094
3809	-122.361	37.71469	1977.71905	0	0	0	RS-700	0.197607
3810	-122.361	37.71469	2018.02986	0	0	0	RS-700	0.398159
3811	-122.361	37.71469	1953.994	0	0	0	RS-700	0.079572
3812	-122.36	37.71468	1950.49854	0	0	0	RS-700	0.062182
3813	-122.36	37.71468	1931.0599	0	0	0	RS-700	-0.03453
3814	-122.36	37.71468	1938.48736	0	0	0	RS-700	0.002425
3815	-122.36	37.71468	1868.74669	0	0	0	RS-700	-0.34454
3816	-122.36	37.71467	1918.67598	0	0	0	RS-700	-0.09614
3817	-122.36	37.71467	1919.96727	0	0	0	RS-700	-0.08972
3818	-122.36	37.71467	1868.66679	0	0	0	RS-700	-0.34494
3819	-122.36	37.71466	1842.93569	0	0	0	RS-700	-0.47296
3820	-122.36	37.71466	1928.69574	0	0	0	RS-700	-0.04629
3821	-122.36	37.71466	1918.26278	0	0	0	RS-700	-0.0982
3822	-122.36	37.71465	1864.76048	0	0	0	RS-700	-0.36438
3823	-122.36	37.71465	1901.39589	0	0	0	RS-700	-0.18211
3824	-122.36	37.71465	1838.46112	0	0	0	RS-700	-0.49522

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3825	-122.36	37.71465	1871.47837	0	0	0	RS-700	-0.33095
3826	-122.36	37.71464	1882.94244	0	0	0	RS-700	-0.27392
3827	-122.36	37.71464	1863.57039	0	0	0	RS-700	-0.3703
3828	-122.36	37.71464	1947.18149	0	0	0	RS-700	0.045679
3829	-122.36	37.71463	1937.97221	0	0	0	RS-700	-0.00014
3830	-122.36	37.71463	1896.77817	0	0	0	RS-700	-0.20508
3831	-122.36	37.71463	1940.39995	0	0	0	RS-700	0.01194
3832	-122.36	37.71463	1873.75701	0	0	0	RS-700	-0.31962
3833	-122.36	37.71462	1958.89581	0	0	0	RS-700	0.103959
3834	-122.36	37.71462	1889.86354	0	0	0	RS-700	-0.23948
3835	-122.36	37.71462	1868.5714	0	0	0	RS-700	-0.34542
3836	-122.36	37.71462	1885.47973	0	0	0	RS-700	-0.26129
3837	-122.36	37.71461	1872.13493	0	0	0	RS-700	-0.32769
3838	-122.36	37.71461	1909.39458	0	0	0	RS-700	-0.14232
3839	-122.36	37.71461	1814.82814	0	0	0	RS-700	-0.6128
3840	-122.36	37.71461	1835.74205	0	0	0	RS-700	-0.50875
3841	-122.36	37.7146	1844.65793	0	0	0	RS-700	-0.46439
3842	-122.36	37.7146	1668.33963	0	0	0	RS-700	-1.34159
3843	-122.36	37.7146	1298.1409	0	0	0	RS-700	-3.18338
3844	-122.36	37.7146	934.00533	0	0	0	RS-700	-4.995
3845	-122.36	37.7146	935.23898	0	0	0	RS-700	-4.98886
3846	-122.36	37.71459	925.33314	0	0	0	RS-700	-5.03814
3847	-122.36	37.71459	984.10303	0	0	0	RS-700	-4.74576
3848	-122.36	37.71459	1526.08581	0	0	0	RS-700	-2.04932
3849	-122.36	37.71459	1802.73533	0	0	0	RS-700	-0.67296
3850	-122.36	37.71459	1623.75262	0	0	0	RS-700	-1.56342
3851	-122.36	37.71459	1743.18271	0	0	0	RS-700	-0.96924
3852	-122.36	37.71459	1854.29024	0	0	0	RS-700	-0.41647
3853	-122.36	37.71459	1900.96285	0	0	0	RS-700	-0.18426
3854	-122.36	37.71459	1890.76028	0	0	0	RS-700	-0.23502
3855	-122.36	37.71458	1958.50405	0	0	0	RS-700	0.10201
3856	-122.36	37.71458	1984.90864	0	0	0	RS-700	0.233376
3857	-122.36	37.71458	1890.75799	0	0	0	RS-700	-0.23503
3858	-122.36	37.71458	1934.78689	0	0	0	RS-700	-0.01599
3859	-122.36	37.71457	1911.48686	0	0	0	RS-700	-0.13191
3860	-122.36	37.71457	1843.20666	0	0	0	RS-700	-0.47161
3861	-122.36	37.71457	1965.79965	0	0	0	RS-700	0.138307
3862	-122.36	37.71457	1925.3674	0	0	0	RS-700	-0.06285
3863	-122.36	37.71456	1845.9382	0	0	0	RS-700	-0.45802
3864	-122.36	37.71456	1848.75857	0	0	0	RS-700	-0.44399
3865	-122.36	37.71456	1877.04417	0	0	0	RS-700	-0.30326
3866	-122.36	37.71456	1804.64144	0	0	0	RS-700	-0.66348
3867	-122.36	37.71455	1854.57184	0	0	0	RS-700	-0.41507
3868	-122.36	37.71455	1880.14017	0	0	0	RS-700	-0.28786
3869	-122.36	37.71455	1814.73478	0	0	0	RS-700	-0.61326



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3870	-122.36	37.71455	1857.12253	0	0	0	RS-700	-0.40238
3871	-122.36	37.71454	1898.29359	0	0	0	RS-700	-0.19754
3872	-122.36	37.71454	1831.66552	0	0	0	RS-700	-0.52903
3873	-122.36	37.71454	1862.56691	0	0	0	RS-700	-0.37529
3874	-122.36	37.71453	1867.85421	0	0	0	RS-700	-0.34898
3875	-122.36	37.71453	1922.87701	0	0	0	RS-700	-0.07524
3876	-122.36	37.71453	1837.65064	0	0	0	RS-700	-0.49925
3877	-122.36	37.71453	1885.03467	0	0	0	RS-700	-0.26351
3878	-122.36	37.71452	1825.37037	0	0	0	RS-700	-0.56035
3879	-122.36	37.71452	1885.95678	0	0	0	RS-700	-0.25892
3880	-122.36	37.71452	1894.50171	0	0	0	RS-700	-0.21641
3881	-122.36	37.71451	1924.48003	0	0	0	RS-700	-0.06726
3882	-122.36	37.71451	1869.85377	0	0	0	RS-700	-0.33904
3883	-122.36	37.71451	1882.77085	0	0	0	RS-700	-0.27477
3884	-122.36	37.71451	1938.7866	0	0	0	RS-700	0.003913
3885	-122.36	37.7145	1968.00558	0	0	0	RS-700	0.149281
3886	-122.36	37.7145	1866.83723	0	0	0	RS-700	-0.35404
3887	-122.36	37.7145	1881.86106	0	0	0	RS-700	-0.2793
3888	-122.36	37.7145	1862.65433	0	0	0	RS-700	-0.37485
3889	-122.36	37.71449	1946.41268	0	0	0	RS-700	0.041854
3890	-122.36	37.71449	1842.37356	0	0	0	RS-700	-0.47575
3891	-122.36	37.71449	1902.95195	0	0	0	RS-700	-0.17437
3892	-122.36	37.71448	1798.73696	0	0	0	RS-700	-0.69285
3893	-122.36	37.71448	1807.46276	0	0	0	RS-700	-0.64944
3894	-122.36	37.71448	1837.5609	0	0	0	RS-700	-0.4997
3895	-122.36	37.71448	1891.86381	0	0	0	RS-700	-0.22953
3896	-122.36	37.71447	1898.67567	0	0	0	RS-700	-0.19564
3897	-122.36	37.71447	1857.47854	0	0	0	RS-700	-0.4006
3898	-122.36	37.71447	1883.76752	0	0	0	RS-700	-0.26981
3899	-122.36	37.71447	1895.384	0	0	0	RS-700	-0.21202
3900	-122.36	37.71446	1756.5347	0	0	0	RS-700	-0.90281
3901	-122.36	37.71446	1846.45084	0	0	0	RS-700	-0.45547
3902	-122.36	37.71446	1842.84937	0	0	0	RS-700	-0.47339
3903	-122.36	37.71446	1782.72832	0	0	0	RS-700	-0.7725
3904	-122.36	37.71445	1800.73162	0	0	0	RS-700	-0.68293
3905	-122.36	37.71445	1880.19583	0	0	0	RS-700	-0.28758
3906	-122.36	37.71445	1835.74612	0	0	0	RS-700	-0.50873
3907	-122.36	37.71445	1840.4716	0	0	0	RS-700	-0.48522
3908	-122.36	37.71444	1829.74852	0	0	0	RS-700	-0.53856
3909	-122.36	37.71444	1793.81417	0	0	0	RS-700	-0.71734
3910	-122.36	37.71444	1808.56321	0	0	0	RS-700	-0.64396
3911	-122.36	37.71444	1727.18327	0	0	0	RS-700	-1.04884
3912	-122.36	37.71443	1813.64946	0	0	0	RS-700	-0.61866
3913	-122.36	37.71443	1824.55966	0	0	0	RS-700	-0.56438
3914	-122.36	37.71443	1799.54402	0	0	0	RS-700	-0.68884

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3915	-122.36	37.71443	1784.62441	0	0	0	RS-700	-0.76306
3916	-122.36	37.71443	1677.18647	0	0	0	RS-700	-1.29758
3917	-122.36	37.71442	1841.92063	0	0	0	RS-700	-0.47801
3918	-122.36	37.71442	1799.45269	0	0	0	RS-700	-0.68929
3919	-122.36	37.71442	1664.00908	0	0	0	RS-700	-1.36314
3920	-122.36	37.71442	1875.39173	0	0	0	RS-700	-0.31148
3921	-122.36	37.71441	1753.62563	0	0	0	RS-700	-0.91729
3922	-122.36	37.71441	1876.57455	0	0	0	RS-700	-0.3056
3923	-122.36	37.71441	1885.14842	0	0	0	RS-700	-0.26294
3924	-122.36	37.71442	1829.65302	0	0	0	RS-700	-0.53904
3925	-122.36	37.71442	1922.97433	0	0	0	RS-700	-0.07475
3926	-122.36	37.71442	1882.65462	0	0	0	RS-700	-0.27535
3927	-122.36	37.71442	1819.4646	0	0	0	RS-700	-0.58973
3928	-122.36	37.71443	1863.14246	0	0	0	RS-700	-0.37243
3929	-122.36	37.71443	1842.29057	0	0	0	RS-700	-0.47617
3930	-122.36	37.71443	1828.56501	0	0	0	RS-700	-0.54445
3931	-122.36	37.71444	1774.72111	0	0	0	RS-700	-0.81233
3932	-122.36	37.71444	1801.73608	0	0	0	RS-700	-0.67793
3933	-122.36	37.71444	1803.09988	0	0	0	RS-700	-0.67114
3934	-122.36	37.71444	1783.89216	0	0	0	RS-700	-0.76671
3935	-122.36	37.71444	1731.26396	0	0	0	RS-700	-1.02854
3936	-122.36	37.71444	1764.60546	0	0	0	RS-700	-0.86266
3937	-122.36	37.71444	1813.65009	0	0	0	RS-700	-0.61866
3938	-122.36	37.71444	1734.70454	0	0	0	RS-700	-1.01142
3939	-122.36	37.71443	1809.27485	0	0	0	RS-700	-0.64042
3940	-122.36	37.71443	1793.73151	0	0	0	RS-700	-0.71775
3941	-122.36	37.71443	1830.83519	0	0	0	RS-700	-0.53316
3942	-122.36	37.71442	1849.84507	0	0	0	RS-700	-0.43858
3943	-122.36	37.71442	1789.72726	0	0	0	RS-700	-0.73768
3944	-122.36	37.71442	1839.74779	0	0	0	RS-700	-0.48882
3945	-122.36	37.71441	1873.29011	0	0	0	RS-700	-0.32194
3946	-122.36	37.71441	1858.83941	0	0	0	RS-700	-0.39383
3947	-122.36	37.71441	1845.7525	0	0	0	RS-700	-0.45894
3948	-122.36	37.71441	1807.46866	0	0	0	RS-700	-0.64941
3949	-122.36	37.71441	1806.55247	0	0	0	RS-700	-0.65397
3950	-122.36	37.71441	1813.09428	0	0	0	RS-700	-0.62142
3951	-122.36	37.71442	1812.18894	0	0	0	RS-700	-0.62593
3952	-122.36	37.71442	1856.66022	0	0	0	RS-700	-0.40468
3953	-122.36	37.71442	1873.57608	0	0	0	RS-700	-0.32052
3954	-122.36	37.71443	1792.37257	0	0	0	RS-700	-0.72451
3955	-122.36	37.71442	1795.81671	0	0	0	RS-700	-0.70738
3956	-122.36	37.71442	1799.18941	0	0	0	RS-700	-0.6906
3957	-122.36	37.71442	1862.19578	0	0	0	RS-700	-0.37714
3958	-122.36	37.71442	1937.49928	0	0	0	RS-700	-0.00249
3959	-122.36	37.71442	1884.05557	0	0	0	RS-700	-0.26838

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
3960	-122.36	37.71442	1868.38735	0	0	0	RS-700	-0.34633
3961	-122.36	37.71442	1800.54071	0	0	0	RS-700	-0.68388
3962	-122.36	37.71443	1793.18917	0	0	0	RS-700	-0.72045
3963	-122.36	37.71443	1778.3593	0	0	0	RS-700	-0.79423
3964	-122.36	37.71443	1778.72318	0	0	0	RS-700	-0.79242
3965	-122.36	37.71444	1826.83371	0	0	0	RS-700	-0.55307
3966	-122.36	37.71444	1777.04894	0	0	0	RS-700	-0.80075
3967	-122.36	37.71444	1844.11834	0	0	0	RS-700	-0.46707
3968	-122.36	37.71444	1804.71999	0	0	0	RS-700	-0.66308
3969	-122.36	37.71445	1828.56098	0	0	0	RS-700	-0.54447
3970	-122.36	37.71445	1781.46362	0	0	0	RS-700	-0.77879
3971	-122.36	37.71445	1847.74492	0	0	0	RS-700	-0.44903
3972	-122.36	37.71445	1741.71167	0	0	0	RS-700	-0.97656
3973	-122.36	37.71446	1858.03169	0	0	0	RS-700	-0.39785
3974	-122.36	37.71446	1897.7714	0	0	0	RS-700	-0.20014
3975	-122.36	37.71446	1741.35752	0	0	0	RS-700	-0.97832
3976	-122.36	37.71446	1733.53117	0	0	0	RS-700	-1.01726
3977	-122.36	37.71447	1756.54033	0	0	0	RS-700	-0.90278
3978	-122.36	37.71447	1833.65488	0	0	0	RS-700	-0.51913
3979	-122.36	37.71447	1857.84308	0	0	0	RS-700	-0.39879
3980	-122.36	37.71448	1851.85261	0	0	0	RS-700	-0.42859
3981	-122.36	37.71448	1797.72944	0	0	0	RS-700	-0.69786
3982	-122.36	37.71448	1844.28789	0	0	0	RS-700	-0.46623
3983	-122.36	37.71448	1899.39162	0	0	0	RS-700	-0.19208
3984	-122.36	37.71449	1860.30494	0	0	0	RS-700	-0.38654
3985	-122.36	37.71449	1861.51204	0	0	0	RS-700	-0.38054
3986	-122.36	37.71449	1746.72039	0	0	0	RS-700	-0.95164
3987	-122.36	37.71449	1783.45617	0	0	0	RS-700	-0.76887
3988	-122.36	37.7145	1831.37638	0	0	0	RS-700	-0.53047
3989	-122.36	37.7145	1795.26677	0	0	0	RS-700	-0.71012
3990	-122.36	37.7145	1875.75741	0	0	0	RS-700	-0.30966
3991	-122.36	37.71451	1836.37741	0	0	0	RS-700	-0.50559
3992	-122.36	37.71451	1897.95954	0	0	0	RS-700	-0.19921
3993	-122.36	37.71451	1876.48053	0	0	0	RS-700	-0.30607
3994	-122.36	37.71451	1949.68932	0	0	0	RS-700	0.058156
3995	-122.36	37.71452	1972.69071	0	0	0	RS-700	0.172591
3996	-122.36	37.71452	1863.38606	0	0	0	RS-700	-0.37121
3997	-122.36	37.71452	1902.86969	0	0	0	RS-700	-0.17478
3998	-122.36	37.71452	1909.86172	0	0	0	RS-700	-0.13999
3999	-122.36	37.71453	1890.77336	0	0	0	RS-700	-0.23496
4000	-122.36	37.71453	1963.40589	0	0	0	RS-700	0.126397
4001	-122.36	37.71453	1823.74711	0	0	0	RS-700	-0.56842
4002	-122.36	37.71453	1901.88451	0	0	0	RS-700	-0.17968
4003	-122.36	37.71454	1894.96181	0	0	0	RS-700	-0.21412
4004	-122.36	37.71454	1904.20444	0	0	0	RS-700	-0.16814

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4005	-122.36	37.71454	1857.83475	0	0	0	RS-700	-0.39883
4006	-122.36	37.71455	1799.90059	0	0	0	RS-700	-0.68706
4007	-122.36	37.71455	1845.21063	0	0	0	RS-700	-0.46164
4008	-122.36	37.71455	1831.74786	0	0	0	RS-700	-0.52862
4009	-122.36	37.71456	1840.01367	0	0	0	RS-700	-0.48749
4010	-122.36	37.71456	1814.48405	0	0	0	RS-700	-0.61451
4011	-122.36	37.71456	1837.837	0	0	0	RS-700	-0.49832
4012	-122.36	37.71456	1773.54415	0	0	0	RS-700	-0.81819
4013	-122.36	37.71457	1804.46544	0	0	0	RS-700	-0.66435
4014	-122.36	37.71457	1899.37898	0	0	0	RS-700	-0.19214
4015	-122.36	37.71457	1908.29563	0	0	0	RS-700	-0.14778
4016	-122.36	37.71457	1947.77896	0	0	0	RS-700	0.048652
4017	-122.36	37.71458	1817.19044	0	0	0	RS-700	-0.60104
4018	-122.36	37.71458	1907.5844	0	0	0	RS-700	-0.15132
4019	-122.36	37.71458	1933.36579	0	0	0	RS-700	-0.02306
4020	-122.36	37.71458	1910.96553	0	0	0	RS-700	-0.1345
4021	-122.36	37.71459	1920.60136	0	0	0	RS-700	-0.08656
4022	-122.36	37.71459	1915.76723	0	0	0	RS-700	-0.11061
4023	-122.36	37.71459	1883.4803	0	0	0	RS-700	-0.27124
4024	-122.36	37.71459	1962.89824	0	0	0	RS-700	0.123872
4025	-122.36	37.7146	1990.29954	0	0	0	RS-700	0.260197
4026	-122.36	37.7146	1899.29942	0	0	0	RS-700	-0.19254
4027	-122.36	37.7146	1817.72886	0	0	0	RS-700	-0.59836
4028	-122.36	37.7146	1740.88158	0	0	0	RS-700	-0.98069
4029	-122.36	37.7146	1849.37079	0	0	0	RS-700	-0.44094
4030	-122.36	37.7146	1714.3536	0	0	0	RS-700	-1.11267
4031	-122.36	37.71461	1693.88461	0	0	0	RS-700	-1.2145
4032	-122.36	37.71461	1770.63418	0	0	0	RS-700	-0.83267
4033	-122.36	37.71461	1760.62775	0	0	0	RS-700	-0.88245
4034	-122.36	37.71461	1775.63047	0	0	0	RS-700	-0.80781
4035	-122.36	37.71461	1852.83897	0	0	0	RS-700	-0.42369
4036	-122.36	37.71462	1848.38081	0	0	0	RS-700	-0.44587
4037	-122.36	37.71462	1870.19224	0	0	0	RS-700	-0.33735
4038	-122.36	37.71462	1871.86413	0	0	0	RS-700	-0.32903
4039	-122.36	37.71462	1970.9032	0	0	0	RS-700	0.163698
4040	-122.36	37.71463	1867.66988	0	0	0	RS-700	-0.3499
4041	-122.36	37.71463	1903.67846	0	0	0	RS-700	-0.17075
4042	-122.36	37.71463	1914.58475	0	0	0	RS-700	-0.11649
4043	-122.36	37.71463	1892.6798	0	0	0	RS-700	-0.22547
4044	-122.36	37.71464	1838.4688	0	0	0	RS-700	-0.49518
4045	-122.36	37.71464	1882.67291	0	0	0	RS-700	-0.27526
4046	-122.36	37.71464	1842.83459	0	0	0	RS-700	-0.47346
4047	-122.36	37.71465	1924.97082	0	0	0	RS-700	-0.06482
4048	-122.36	37.71465	1960.71081	0	0	0	RS-700	0.112989
4049	-122.36	37.71465	1873.48362	0	0	0	RS-700	-0.32098

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4050	-122.36	37.71465	1907.7669	0	0	0	RS-700	-0.15041
4051	-122.36	37.71466	1830.64798	0	0	0	RS-700	-0.53409
4052	-122.36	37.71466	1879.29229	0	0	0	RS-700	-0.29208
4053	-122.36	37.71466	1871.32455	0	0	0	RS-700	-0.33172
4054	-122.36	37.71466	1838.74745	0	0	0	RS-700	-0.49379
4055	-122.36	37.71467	1867.38138	0	0	0	RS-700	-0.35134
4056	-122.36	37.71467	1839.73368	0	0	0	RS-700	-0.48889
4057	-122.36	37.71467	1829.37692	0	0	0	RS-700	-0.54041
4058	-122.36	37.71467	1854.47342	0	0	0	RS-700	-0.41556
4059	-122.36	37.71468	1859.03453	0	0	0	RS-700	-0.39286
4060	-122.36	37.71468	1902.9622	0	0	0	RS-700	-0.17432
4061	-122.36	37.71468	1899.67501	0	0	0	RS-700	-0.19067
4062	-122.36	37.71469	1885.67154	0	0	0	RS-700	-0.26034
4063	-122.36	37.71469	1837.55503	0	0	0	RS-700	-0.49973
4064	-122.36	37.71469	1911.15389	0	0	0	RS-700	-0.13356
4065	-122.36	37.71469	1875.46776	0	0	0	RS-700	-0.31111
4066	-122.36	37.7147	1781.98687	0	0	0	RS-700	-0.77618
4067	-122.36	37.7147	1946.49592	0	0	0	RS-700	0.042268
4068	-122.36	37.7147	1837.47273	0	0	0	RS-700	-0.50014
4069	-122.36	37.71471	1967.80941	0	0	0	RS-700	0.148306
4070	-122.361	37.71471	1942.39851	0	0	0	RS-700	0.021883
4071	-122.361	37.71471	1960.60163	0	0	0	RS-700	0.112446
4072	-122.361	37.71471	1972.60678	0	0	0	RS-700	0.172173
4073	-122.361	37.71472	1952.60065	0	0	0	RS-700	0.07264
4074	-122.361	37.71472	1791.45155	0	0	0	RS-700	-0.7291
4075	-122.361	37.71472	1828.19225	0	0	0	RS-700	-0.54631
4076	-122.361	37.71472	1949.18216	0	0	0	RS-700	0.055633
4077	-122.361	37.71473	1945.69008	0	0	0	RS-700	0.038259
4078	-122.361	37.71473	1948.69706	0	0	0	RS-700	0.053219
4079	-122.361	37.71473	1925.49685	0	0	0	RS-700	-0.0622
4080	-122.361	37.71473	1950.79342	0	0	0	RS-700	0.063649
4081	-122.361	37.71474	1961.9898	0	0	0	RS-700	0.119352
4082	-122.361	37.71474	1984.60957	0	0	0	RS-700	0.231888
4083	-122.361	37.71474	1990.2151	0	0	0	RS-700	0.259777
4084	-122.361	37.71474	1994.61168	0	0	0	RS-700	0.28165
4085	-122.361	37.71475	2040.21475	0	0	0	RS-700	0.508531
4086	-122.361	37.71475	1988.89858	0	0	0	RS-700	0.253227
4087	-122.361	37.71475	2004.9176	0	0	0	RS-700	0.332923
4088	-122.361	37.71475	1913.87627	0	0	0	RS-700	-0.12002
4089	-122.361	37.71476	1988.91165	0	0	0	RS-700	0.253292
4090	-122.361	37.71476	1909.39435	0	0	0	RS-700	-0.14232
4091	-122.361	37.71476	1838.4754	0	0	0	RS-700	-0.49515
4092	-122.361	37.71476	1870.6661	0	0	0	RS-700	-0.33499
4093	-122.361	37.71477	1790.90477	0	0	0	RS-700	-0.73182
4094	-122.361	37.71477	1837.56327	0	0	0	RS-700	-0.49969

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4095	-122.361	37.71477	1791.09789	0	0	0	RS-700	-0.73086
4096	-122.361	37.71478	1905.2998	0	0	0	RS-700	-0.16269
4097	-122.361	37.71478	1822.84807	0	0	0	RS-700	-0.5729
4098	-122.361	37.71478	1860.7572	0	0	0	RS-700	-0.38429
4099	-122.361	37.71478	1899.05518	0	0	0	RS-700	-0.19376
4100	-122.361	37.71479	1808.46524	0	0	0	RS-700	-0.64445
4101	-122.361	37.71479	1881.42115	0	0	0	RS-700	-0.28149
4102	-122.361	37.71479	1808.46479	0	0	0	RS-700	-0.64445
4103	-122.361	37.71479	1887.85321	0	0	0	RS-700	-0.24949
4104	-122.361	37.7148	1855.8473	0	0	0	RS-700	-0.40872
4105	-122.361	37.7148	1931.49557	0	0	0	RS-700	-0.03236
4106	-122.361	37.7148	1852.75477	0	0	0	RS-700	-0.42411
4107	-122.361	37.71481	1897.48688	0	0	0	RS-700	-0.20156
4108	-122.361	37.71481	1888.19935	0	0	0	RS-700	-0.24776
4109	-122.361	37.71481	1944.28399	0	0	0	RS-700	0.031264
4110	-122.361	37.71482	1930.26173	0	0	0	RS-700	-0.0385
4111	-122.361	37.71482	1949.08096	0	0	0	RS-700	0.055129
4112	-122.361	37.71482	1943.5963	0	0	0	RS-700	0.027842
4113	-122.361	37.71482	1949.59141	0	0	0	RS-700	0.057669
4114	-122.361	37.71483	2042.72869	0	0	0	RS-700	0.521038
4115	-122.361	37.71483	1840.92094	0	0	0	RS-700	-0.48298
4116	-122.361	37.71483	1933.59574	0	0	0	RS-700	-0.02191
4117	-122.361	37.71483	1920.98173	0	0	0	RS-700	-0.08467
4118	-122.361	37.71484	1935.58763	0	0	0	RS-700	-0.012
4119	-122.361	37.71484	1900.66087	0	0	0	RS-700	-0.18577
4120	-122.361	37.71484	1980.51786	0	0	0	RS-700	0.211532
4121	-122.361	37.71485	1979.60602	0	0	0	RS-700	0.206995
4122	-122.361	37.71485	1915.77882	0	0	0	RS-700	-0.11055
4123	-122.361	37.71485	1891.95783	0	0	0	RS-700	-0.22907
4124	-122.361	37.71485	1992.51109	0	0	0	RS-700	0.271199
4125	-122.361	37.71486	1880.59882	0	0	0	RS-700	-0.28558
4126	-122.361	37.71486	1931.17246	0	0	0	RS-700	-0.03397
4127	-122.361	37.71486	1987.40611	0	0	0	RS-700	0.245802
4128	-122.361	37.71486	2005.11679	0	0	0	RS-700	0.333914
4129	-122.361	37.71487	1883.67391	0	0	0	RS-700	-0.27028
4130	-122.361	37.71487	1902.58356	0	0	0	RS-700	-0.1762
4131	-122.361	37.71487	1961.66118	0	0	0	RS-700	0.117717
4132	-122.361	37.71487	2000.61752	0	0	0	RS-700	0.31153
4133	-122.361	37.71488	1910.5786	0	0	0	RS-700	-0.13642
4134	-122.361	37.71488	1975.48613	0	0	0	RS-700	0.186498
4135	-122.361	37.71488	1976.6966	0	0	0	RS-700	0.19252
4136	-122.361	37.71489	2010.32165	0	0	0	RS-700	0.359809
4137	-122.361	37.71489	1990.80438	0	0	0	RS-700	0.262708
4138	-122.361	37.71489	1963.70109	0	0	0	RS-700	0.127866
4139	-122.361	37.71489	1493.38276	0	0	0	RS-700	-2.21203

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4140	-122.361	37.7149	1266.13369	0	0	0	RS-700	-3.34262
4141	-122.361	37.7149	1188.18995	0	0	0	RS-700	-3.7304
4142	-122.361	37.7149	1203.18681	0	0	0	RS-700	-3.65579
4143	-122.361	37.71491	1344.144	0	0	0	RS-700	-2.95451
4144	-122.361	37.71491	1747.79926	0	0	0	RS-700	-0.94627
4145	-122.361	37.71491	1876.9226	0	0	0	RS-700	-0.30387
4146	-122.361	37.71491	1903.86591	0	0	0	RS-700	-0.16982
4147	-122.361	37.71492	1829.37576	0	0	0	RS-700	-0.54042
4148	-122.361	37.71492	1992.98293	0	0	0	RS-700	0.273547
4149	-122.361	37.71492	1895.14969	0	0	0	RS-700	-0.21319
4150	-122.361	37.71492	1857.57064	0	0	0	RS-700	-0.40015
4151	-122.361	37.71493	1905.58238	0	0	0	RS-700	-0.16128
4152	-122.361	37.71493	1854.85154	0	0	0	RS-700	-0.41367
4153	-122.361	37.71493	1807.46651	0	0	0	RS-700	-0.64942
4154	-122.361	37.71493	1785.27609	0	0	0	RS-700	-0.75982
4155	-122.361	37.71494	1780.72175	0	0	0	RS-700	-0.78248
4156	-122.361	37.71494	1787.36917	0	0	0	RS-700	-0.74941
4157	-122.361	37.71494	1788.729	0	0	0	RS-700	-0.74264
4158	-122.361	37.71494	1872.10243	0	0	0	RS-700	-0.32785
4159	-122.361	37.71494	1807.64555	0	0	0	RS-700	-0.64853
4160	-122.361	37.71494	1852.66644	0	0	0	RS-700	-0.42455
4161	-122.361	37.71494	1769.27473	0	0	0	RS-700	-0.83943
4162	-122.361	37.71494	1932.49726	0	0	0	RS-700	-0.02738
4163	-122.361	37.71494	1884.4834	0	0	0	RS-700	-0.26625
4164	-122.361	37.71494	1873.13629	0	0	0	RS-700	-0.32271
4165	-122.361	37.71494	1871.47381	0	0	0	RS-700	-0.33098
4166	-122.361	37.71494	1835.65596	0	0	0	RS-700	-0.50917
4167	-122.361	37.71494	1792.2654	0	0	0	RS-700	-0.72505
4168	-122.361	37.71494	1771.44229	0	0	0	RS-700	-0.82865
4169	-122.361	37.71494	1850.65857	0	0	0	RS-700	-0.43453
4170	-122.361	37.71494	1795.63629	0	0	0	RS-700	-0.70828
4171	-122.361	37.71494	1823.01993	0	0	0	RS-700	-0.57204
4172	-122.361	37.71494	1846.36868	0	0	0	RS-700	-0.45588
4173	-122.361	37.71494	1838.37668	0	0	0	RS-700	-0.49564
4174	-122.361	37.71494	1915.7787	0	0	0	RS-700	-0.11055
4175	-122.361	37.71494	1785.36764	0	0	0	RS-700	-0.75936
4176	-122.361	37.71494	1754.80517	0	0	0	RS-700	-0.91142
4177	-122.361	37.71494	1905.96656	0	0	0	RS-700	-0.15937
4178	-122.361	37.71494	1787.89674	0	0	0	RS-700	-0.74678
4179	-122.361	37.71494	1848.65311	0	0	0	RS-700	-0.44451
4180	-122.361	37.71494	1826.83305	0	0	0	RS-700	-0.55307
4181	-122.361	37.71494	1825.05115	0	0	0	RS-700	-0.56193
4182	-122.361	37.71494	1894.48625	0	0	0	RS-700	-0.21649
4183	-122.361	37.71494	1811.64809	0	0	0	RS-700	-0.62862
4184	-122.361	37.71494	1779.08462	0	0	0	RS-700	-0.79062

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4185	-122.361	37.71494	1782.45673	0	0	0	RS-700	-0.77385
4186	-122.361	37.71494	1810.18526	0	0	0	RS-700	-0.63589
4187	-122.361	37.71494	1777.98491	0	0	0	RS-700	-0.79609
4188	-122.361	37.71494	1888.66582	0	0	0	RS-700	-0.24544
4189	-122.361	37.71494	1785.81663	0	0	0	RS-700	-0.75713
4190	-122.361	37.71494	1781.54597	0	0	0	RS-700	-0.77838
4191	-122.361	37.71494	1825.57507	0	0	0	RS-700	-0.55933
4192	-122.361	37.71494	1792.46081	0	0	0	RS-700	-0.72408
4193	-122.361	37.71494	1807.28067	0	0	0	RS-700	-0.65034
4194	-122.361	37.71494	1835.65254	0	0	0	RS-700	-0.50919
4195	-122.361	37.71494	1772.98456	0	0	0	RS-700	-0.82097
4196	-122.361	37.71494	1885.95658	0	0	0	RS-700	-0.25892
4197	-122.361	37.71494	1860.034	0	0	0	RS-700	-0.38789
4198	-122.361	37.71495	1872.47657	0	0	0	RS-700	-0.32599
4199	-122.361	37.71495	1869.3802	0	0	0	RS-700	-0.34139
4200	-122.361	37.71495	1803.73619	0	0	0	RS-700	-0.66798
4201	-122.361	37.71495	1940.16944	0	0	0	RS-700	0.010793
4202	-122.361	37.71495	1895.14795	0	0	0	RS-700	-0.21319
4203	-122.361	37.71496	1950.28393	0	0	0	RS-700	0.061114
4204	-122.361	37.71496	1916.6777	0	0	0	RS-700	-0.10608
4205	-122.361	37.71496	1902.79421	0	0	0	RS-700	-0.17515
4206	-122.361	37.71496	1923.10617	0	0	0	RS-700	-0.0741
4207	-122.361	37.71497	1919.49267	0	0	0	RS-700	-0.09208
4208	-122.361	37.71497	1947.69623	0	0	0	RS-700	0.04824
4209	-122.361	37.71497	1928.49207	0	0	0	RS-700	-0.0473
4210	-122.361	37.71497	1855.56594	0	0	0	RS-700	-0.41012
4211	-122.361	37.71497	1553.62554	0	0	0	RS-700	-1.91231
4212	-122.361	37.71498	1288.39717	0	0	0	RS-700	-3.23185
4213	-122.361	37.71498	1031.15328	0	0	0	RS-700	-4.51168
4214	-122.361	37.71498	1202.18872	0	0	0	RS-700	-3.66075
4215	-122.361	37.71498	1697.3412	0	0	0	RS-700	-1.19731
4216	-122.361	37.71499	1779.63483	0	0	0	RS-700	-0.78789
4217	-122.361	37.71499	1836.02371	0	0	0	RS-700	-0.50734
4218	-122.361	37.71499	1859.66947	0	0	0	RS-700	-0.3897
4219	-122.361	37.71499	1736.70429	0	0	0	RS-700	-1.00147
4220	-122.361	37.715	1770.62941	0	0	0	RS-700	-0.83269
4221	-122.361	37.715	1871.75799	0	0	0	RS-700	-0.32956
4222	-122.361	37.715	1780.72257	0	0	0	RS-700	-0.78247
4223	-122.361	37.715	1771.80957	0	0	0	RS-700	-0.82682
4224	-122.361	37.71501	1796.81973	0	0	0	RS-700	-0.70239
4225	-122.361	37.71501	1904.96808	0	0	0	RS-700	-0.16434
4226	-122.361	37.71501	1967.69499	0	0	0	RS-700	0.147736
4227	-122.361	37.71501	1974.80163	0	0	0	RS-700	0.183093
4228	-122.361	37.71502	1905.48609	0	0	0	RS-700	-0.16176
4229	-122.361	37.71502	1976.90067	0	0	0	RS-700	0.193536



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4230	-122.361	37.71502	1953.99335	0	0	0	RS-700	0.079569
4231	-122.361	37.71502	1994.80712	0	0	0	RS-700	0.282622
4232	-122.361	37.71503	1966.10346	0	0	0	RS-700	0.139818
4233	-122.361	37.71503	1992.80904	0	0	0	RS-700	0.272682
4234	-122.361	37.71503	1953.49955	0	0	0	RS-700	0.077112
4235	-122.361	37.71503	1902.39179	0	0	0	RS-700	-0.17716
4236	-122.361	37.71503	1898.86805	0	0	0	RS-700	-0.19469
4237	-122.361	37.71504	1892.57372	0	0	0	RS-700	-0.226
4238	-122.361	37.71504	1822.46358	0	0	0	RS-700	-0.57481
4239	-122.361	37.71504	1851.93835	0	0	0	RS-700	-0.42817
4240	-122.361	37.71504	1863.37847	0	0	0	RS-700	-0.37125
4241	-122.361	37.71505	1829.3744	0	0	0	RS-700	-0.54043
4242	-122.361	37.71505	1884.23721	0	0	0	RS-700	-0.26748
4243	-122.361	37.71505	1881.57652	0	0	0	RS-700	-0.28071
4244	-122.361	37.71505	1821.73793	0	0	0	RS-700	-0.57842
4245	-122.361	37.71506	1880.47973	0	0	0	RS-700	-0.28617
4246	-122.361	37.71506	1837.56713	0	0	0	RS-700	-0.49967
4247	-122.361	37.71506	1850.75291	0	0	0	RS-700	-0.43407
4248	-122.361	37.71506	1862.57446	0	0	0	RS-700	-0.37525
4249	-122.361	37.71507	1909.96731	0	0	0	RS-700	-0.13947
4250	-122.361	37.71507	1763.27674	0	0	0	RS-700	-0.86927
4251	-122.361	37.71507	1820.55738	0	0	0	RS-700	-0.58429
4252	-122.361	37.71507	1867.56705	0	0	0	RS-700	-0.35041
4253	-122.361	37.71508	1809.37279	0	0	0	RS-700	-0.63994
4254	-122.361	37.71508	1861.67274	0	0	0	RS-700	-0.37974
4255	-122.361	37.71508	1890.06725	0	0	0	RS-700	-0.23847
4256	-122.361	37.71509	1913.4948	0	0	0	RS-700	-0.12192
4257	-122.361	37.71509	1906.38972	0	0	0	RS-700	-0.15727
4258	-122.361	37.71509	1949.08628	0	0	0	RS-700	0.055156
4259	-122.361	37.71509	1940.40295	0	0	0	RS-700	0.011955
4260	-122.361	37.7151	1817.83634	0	0	0	RS-700	-0.59783
4261	-122.361	37.7151	1859.38879	0	0	0	RS-700	-0.3911
4262	-122.361	37.7151	1835.28591	0	0	0	RS-700	-0.51102
4263	-122.361	37.71511	1856.66195	0	0	0	RS-700	-0.40467
4264	-122.361	37.71511	1952.70058	0	0	0	RS-700	0.073137
4265	-122.361	37.71511	1871.94187	0	0	0	RS-700	-0.32865
4266	-122.361	37.71511	1910.1596	0	0	0	RS-700	-0.13851
4267	-122.361	37.71512	1926.97802	0	0	0	RS-700	-0.05484
4268	-122.361	37.71512	2003.71293	0	0	0	RS-700	0.32693
4269	-122.361	37.71512	1915.45051	0	0	0	RS-700	-0.11219
4270	-122.361	37.71513	1965.4897	0	0	0	RS-700	0.136765
4271	-122.361	37.71513	1963.50256	0	0	0	RS-700	0.126878
4272	-122.361	37.71513	1919.77712	0	0	0	RS-700	-0.09066
4273	-122.361	37.71513	1998.41507	0	0	0	RS-700	0.300572
4274	-122.361	37.71514	1976.50698	0	0	0	RS-700	0.191577

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4275	-122.361	37.71514	1881.48617	0	0	0	RS-700	-0.28116
4276	-122.361	37.71514	1995.81162	0	0	0	RS-700	0.28762
4277	-122.361	37.71514	1952.40094	0	0	0	RS-700	0.071646
4278	-122.361	37.71515	2002.71745	0	0	0	RS-700	0.321977
4279	-122.361	37.71515	1941.69736	0	0	0	RS-700	0.018395
4280	-122.361	37.71515	1976.60672	0	0	0	RS-700	0.192073
4281	-122.361	37.71515	1881.66686	0	0	0	RS-700	-0.28026
4282	-122.361	37.71516	1866.85982	0	0	0	RS-700	-0.35393
4283	-122.361	37.71516	1852.4774	0	0	0	RS-700	-0.42549
4284	-122.361	37.71516	1810.75412	0	0	0	RS-700	-0.63306
4285	-122.361	37.71516	1776.54706	0	0	0	RS-700	-0.80325
4286	-122.361	37.71517	1873.39074	0	0	0	RS-700	-0.32144
4287	-122.361	37.71517	1779.45675	0	0	0	RS-700	-0.78877
4288	-122.361	37.71517	1781.54901	0	0	0	RS-700	-0.77836
4289	-122.361	37.71518	1875.48001	0	0	0	RS-700	-0.31104
4290	-122.361	37.71518	1894.77016	0	0	0	RS-700	-0.21507
4291	-122.361	37.71518	1921.58586	0	0	0	RS-700	-0.08166
4292	-122.361	37.71518	1949.89752	0	0	0	RS-700	0.059192
4293	-122.361	37.71519	1783.3694	0	0	0	RS-700	-0.76931
4294	-122.361	37.71519	1516.34307	0	0	0	RS-700	-2.0978
4295	-122.361	37.71519	1135.40178	0	0	0	RS-700	-3.99303
4296	-122.361	37.71519	1045.06134	0	0	0	RS-700	-4.44248
4297	-122.361	37.71519	1032.11411	0	0	0	RS-700	-4.50689
4298	-122.361	37.7152	1084.11515	0	0	0	RS-700	-4.24818
4299	-122.361	37.7152	1423.4242	0	0	0	RS-700	-2.56008
4300	-122.361	37.7152	1696.43638	0	0	0	RS-700	-1.20181
4301	-122.361	37.7152	1820.4576	0	0	0	RS-700	-0.58479
4302	-122.361	37.71521	1818.55661	0	0	0	RS-700	-0.59425
4303	-122.361	37.71521	1832.64987	0	0	0	RS-700	-0.52413
4304	-122.361	37.71521	1720.78613	0	0	0	RS-700	-1.08067
4305	-122.361	37.71521	1745.7097	0	0	0	RS-700	-0.95667
4306	-122.361	37.71522	1729.60686	0	0	0	RS-700	-1.03678
4307	-122.361	37.71522	1764.81365	0	0	0	RS-700	-0.86162
4308	-122.361	37.71522	1708.35254	0	0	0	RS-700	-1.14252
4309	-122.361	37.71523	1671.42899	0	0	0	RS-700	-1.32622
4310	-122.361	37.71523	1760.72064	0	0	0	RS-700	-0.88199
4311	-122.361	37.71523	1746.44516	0	0	0	RS-700	-0.95301
4312	-122.361	37.71523	1845.47161	0	0	0	RS-700	-0.46034
4313	-122.361	37.71524	1862.22407	0	0	0	RS-700	-0.37699
4314	-122.361	37.71524	1821.56123	0	0	0	RS-700	-0.5793
4315	-122.361	37.71524	1816.47098	0	0	0	RS-700	-0.60462
4316	-122.361	37.71525	1769.3645	0	0	0	RS-700	-0.83898
4317	-122.361	37.71525	1835.74627	0	0	0	RS-700	-0.50873
4318	-122.361	37.71525	1847.40227	0	0	0	RS-700	-0.45073
4319	-122.361	37.71525	1838.65766	0	0	0	RS-700	-0.49424

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4320	-122.361	37.71526	1856.56693	0	0	0	RS-700	-0.40514
4321	-122.361	37.71526	1819.02113	0	0	0	RS-700	-0.59193
4322	-122.361	37.71526	1859.12964	0	0	0	RS-700	-0.39239
4323	-122.361	37.71527	1831.01819	0	0	0	RS-700	-0.53225
4324	-122.361	37.71527	1759.63121	0	0	0	RS-700	-0.88741
4325	-122.361	37.71527	1827.56478	0	0	0	RS-700	-0.54943
4326	-122.361	37.71527	1845.65263	0	0	0	RS-700	-0.45944
4327	-122.361	37.71528	1818.37046	0	0	0	RS-700	-0.59517
4328	-122.361	37.71528	1771.86663	0	0	0	RS-700	-0.82653
4329	-122.361	37.71528	1829.83615	0	0	0	RS-700	-0.53813
4330	-122.361	37.71528	1831.83912	0	0	0	RS-700	-0.52816
4331	-122.361	37.71529	1813.82709	0	0	0	RS-700	-0.61778
4332	-122.362	37.71529	1814.55282	0	0	0	RS-700	-0.61417
4333	-122.362	37.71529	1798.72956	0	0	0	RS-700	-0.69289
4334	-122.362	37.71529	1858.03669	0	0	0	RS-700	-0.39783
4335	-122.362	37.7153	1850.8478	0	0	0	RS-700	-0.43359
4336	-122.362	37.7153	1814.82791	0	0	0	RS-700	-0.6128
4337	-122.362	37.7153	1787.28072	0	0	0	RS-700	-0.74985
4338	-122.362	37.71531	1868.86101	0	0	0	RS-700	-0.34398
4339	-122.362	37.71531	1921.58917	0	0	0	RS-700	-0.08165
4340	-122.362	37.71531	1795.25523	0	0	0	RS-700	-0.71017
4341	-122.362	37.71531	1765.71757	0	0	0	RS-700	-0.85713
4342	-122.362	37.71532	1839.74789	0	0	0	RS-700	-0.48882
4343	-122.362	37.71532	1778.63179	0	0	0	RS-700	-0.79288
4344	-122.362	37.71532	1780.08676	0	0	0	RS-700	-0.78564
4345	-122.362	37.71532	1771.18464	0	0	0	RS-700	-0.82993
4346	-122.362	37.71533	1815.82333	0	0	0	RS-700	-0.60784
4347	-122.362	37.71533	1787.27945	0	0	0	RS-700	-0.74985
4348	-122.362	37.71533	1783.63576	0	0	0	RS-700	-0.76798
4349	-122.362	37.71534	1919.87969	0	0	0	RS-700	-0.09015
4350	-122.362	37.71534	1846.21662	0	0	0	RS-700	-0.45663
4351	-122.362	37.71534	1865.57143	0	0	0	RS-700	-0.36034
4352	-122.362	37.71534	1783.82082	0	0	0	RS-700	-0.76706
4353	-122.362	37.71535	1956.08557	0	0	0	RS-700	0.089978
4354	-122.362	37.71535	1859.03412	0	0	0	RS-700	-0.39287
4355	-122.362	37.71535	1853.38178	0	0	0	RS-700	-0.42099
4356	-122.362	37.71535	1945.18312	0	0	0	RS-700	0.035737
4357	-122.362	37.71536	1884.38632	0	0	0	RS-700	-0.26673
4358	-122.362	37.71536	1939.58552	0	0	0	RS-700	0.007888
4359	-122.362	37.71536	1840.6481	0	0	0	RS-700	-0.48434
4360	-122.362	37.71536	1910.6687	0	0	0	RS-700	-0.13598
4361	-122.362	37.71537	1906.39706	0	0	0	RS-700	-0.15723
4362	-122.362	37.71537	1905.58674	0	0	0	RS-700	-0.16126
4363	-122.362	37.71537	1750.71041	0	0	0	RS-700	-0.93179
4364	-122.362	37.71537	1857.29165	0	0	0	RS-700	-0.40153

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4365	-122.362	37.71538	1904.67559	0	0	0	RS-700	-0.16579
4366	-122.362	37.71538	1878.57922	0	0	0	RS-700	-0.29563
4367	-122.362	37.71538	1937.97361	0	0	0	RS-700	-0.00013
4368	-122.362	37.71538	1900.77403	0	0	0	RS-700	-0.1852
4369	-122.362	37.71539	1900.68966	0	0	0	RS-700	-0.18562
4370	-122.362	37.71539	1846.28861	0	0	0	RS-700	-0.45628
4371	-122.362	37.71539	1960.90909	0	0	0	RS-700	0.113976
4372	-122.362	37.7154	1979.31216	0	0	0	RS-700	0.205533
4373	-122.362	37.7154	1960.09486	0	0	0	RS-700	0.109925
4374	-122.362	37.7154	1944.51078	0	0	0	RS-700	0.032392
4375	-122.362	37.7154	1958.91901	0	0	0	RS-700	0.104075
4376	-122.362	37.71541	1882.86521	0	0	0	RS-700	-0.2743
4377	-122.362	37.71541	1931.58766	0	0	0	RS-700	-0.0319
4378	-122.362	37.71541	1920.8774	0	0	0	RS-700	-0.08519
4379	-122.362	37.71541	2004.61167	0	0	0	RS-700	0.331401
4380	-122.362	37.71542	1878.3294	0	0	0	RS-700	-0.29687
4381	-122.362	37.71542	1902.48909	0	0	0	RS-700	-0.17667
4382	-122.362	37.71542	2005.11297	0	0	0	RS-700	0.333895
4383	-122.362	37.71542	1987.90773	0	0	0	RS-700	0.248297
4384	-122.362	37.71543	1942.496	0	0	0	RS-700	0.022368
4385	-122.362	37.71543	1952.99062	0	0	0	RS-700	0.07458
4386	-122.362	37.71543	1886.48356	0	0	0	RS-700	-0.2563
4387	-122.362	37.71543	1903.28936	0	0	0	RS-700	-0.17269
4388	-122.362	37.71544	2003.11333	0	0	0	RS-700	0.323947
4389	-122.362	37.71544	1946.69531	0	0	0	RS-700	0.04326
4390	-122.362	37.71544	1889.57938	0	0	0	RS-700	-0.2409
4391	-122.362	37.71545	1907.68388	0	0	0	RS-700	-0.15083
4392	-122.362	37.71545	1987.79056	0	0	0	RS-700	0.247714
4393	-122.362	37.71545	1893.94056	0	0	0	RS-700	-0.2192
4394	-122.362	37.71546	1824.5516	0	0	0	RS-700	-0.56442
4395	-122.362	37.71546	1892.67291	0	0	0	RS-700	-0.22551
4396	-122.362	37.71546	1949.95496	0	0	0	RS-700	0.059477
4397	-122.362	37.71546	1834.19312	0	0	0	RS-700	-0.51645
4398	-122.362	37.71547	1870.74773	0	0	0	RS-700	-0.33459
4399	-122.362	37.71547	1973.00515	0	0	0	RS-700	0.174155
4400	-122.362	37.71547	1844.6498	0	0	0	RS-700	-0.46443
4401	-122.362	37.71547	1817.37328	0	0	0	RS-700	-0.60013
4402	-122.362	37.71547	1923.15833	0	0	0	RS-700	-0.07384
4403	-122.362	37.71547	1811.46651	0	0	0	RS-700	-0.62952
4404	-122.362	37.71547	1888.33612	0	0	0	RS-700	-0.24708
4405	-122.362	37.71547	1820.18821	0	0	0	RS-700	-0.58613
4406	-122.362	37.71547	1939.45754	0	0	0	RS-700	0.007251
4407	-122.362	37.71547	1864.55241	0	0	0	RS-700	-0.36541
4408	-122.362	37.71547	1823.4671	0	0	0	RS-700	-0.56982
4409	-122.362	37.71547	1881.39389	0	0	0	RS-700	-0.28162

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4410	-122.362	37.71547	1900.15241	0	0	0	RS-700	-0.1883
4411	-122.362	37.71547	1872.38685	0	0	0	RS-700	-0.32643
4412	-122.362	37.71547	1857.84892	0	0	0	RS-700	-0.39876
4413	-122.362	37.71547	1824.75206	0	0	0	RS-700	-0.56342
4414	-122.362	37.71547	1933.77893	0	0	0	RS-700	-0.021
4415	-122.362	37.71547	1787.18806	0	0	0	RS-700	-0.75031
4416	-122.362	37.71547	1853.75265	0	0	0	RS-700	-0.41914
4417	-122.362	37.71547	1830.19204	0	0	0	RS-700	-0.53636
4418	-122.362	37.71547	1828.6493	0	0	0	RS-700	-0.54403
4419	-122.362	37.71547	1842.56685	0	0	0	RS-700	-0.47479
4420	-122.362	37.71547	1937.49464	0	0	0	RS-700	-0.00251
4421	-122.362	37.71547	1848.65975	0	0	0	RS-700	-0.44448
4422	-122.362	37.71547	1877.95153	0	0	0	RS-700	-0.29875
4423	-122.362	37.71547	1894.67511	0	0	0	RS-700	-0.21555
4424	-122.362	37.71547	1942.71924	0	0	0	RS-700	0.023479
4425	-122.362	37.71547	1846.567	0	0	0	RS-700	-0.45489
4426	-122.362	37.71547	1827.6477	0	0	0	RS-700	-0.54902
4427	-122.362	37.71547	1860.94187	0	0	0	RS-700	-0.38337
4428	-122.362	37.71547	1879.75607	0	0	0	RS-700	-0.28977
4429	-122.362	37.71547	1908.06805	0	0	0	RS-700	-0.14892
4430	-122.362	37.71547	1898.48967	0	0	0	RS-700	-0.19657
4431	-122.362	37.71547	1914.78024	0	0	0	RS-700	-0.11552
4432	-122.362	37.71547	1873.19777	0	0	0	RS-700	-0.3224
4433	-122.362	37.71547	1938.48531	0	0	0	RS-700	0.002414
4434	-122.362	37.71547	1864.66706	0	0	0	RS-700	-0.36484
4435	-122.362	37.71547	1798.46314	0	0	0	RS-700	-0.69421
4436	-122.362	37.71547	1824.46821	0	0	0	RS-700	-0.56483
4437	-122.362	37.71547	1886.95416	0	0	0	RS-700	-0.25396
4438	-122.362	37.71547	1818.83674	0	0	0	RS-700	-0.59285
4439	-122.362	37.71547	1782.80987	0	0	0	RS-700	-0.77209
4440	-122.362	37.71547	1846.74865	0	0	0	RS-700	-0.45399
4441	-122.362	37.71547	1896.58324	0	0	0	RS-700	-0.20605
4442	-122.362	37.71547	1873.66817	0	0	0	RS-700	-0.32006
4443	-122.362	37.71547	1941.59587	0	0	0	RS-700	0.01789
4444	-122.362	37.71547	1843.56544	0	0	0	RS-700	-0.46982
4445	-122.362	37.71547	1838.65183	0	0	0	RS-700	-0.49427
4446	-122.362	37.71547	1926.69193	0	0	0	RS-700	-0.05626
4447	-122.362	37.71547	1832.46955	0	0	0	RS-700	-0.52503
4448	-122.362	37.71547	1875.85774	0	0	0	RS-700	-0.30917
4449	-122.362	37.71547	1871.75631	0	0	0	RS-700	-0.32957
4450	-122.362	37.71547	1873.95653	0	0	0	RS-700	-0.31862
4451	-122.362	37.71547	1906.87219	0	0	0	RS-700	-0.15486
4452	-122.362	37.71547	1825.65194	0	0	0	RS-700	-0.55895
4453	-122.362	37.71547	1804.64518	0	0	0	RS-700	-0.66346
4454	-122.362	37.71547	1891.29412	0	0	0	RS-700	-0.23237

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4455	-122.362	37.71547	1927.14262	0	0	0	RS-700	-0.05402
4456	-122.362	37.71547	1810.64571	0	0	0	RS-700	-0.6336
4457	-122.362	37.71547	1831.46934	0	0	0	RS-700	-0.53
4458	-122.362	37.71547	1857.48121	0	0	0	RS-700	-0.40059
4459	-122.362	37.71547	1942.37143	0	0	0	RS-700	0.021748
4460	-122.362	37.71547	1814.11633	0	0	0	RS-700	-0.61634
4461	-122.362	37.71547	1921.77858	0	0	0	RS-700	-0.0807
4462	-122.362	37.71547	1911.19847	0	0	0	RS-700	-0.13334
4463	-122.362	37.71547	1793.27576	0	0	0	RS-700	-0.72002
4464	-122.362	37.71547	1829.37993	0	0	0	RS-700	-0.5404
4465	-122.362	37.71547	1896.77123	0	0	0	RS-700	-0.20512
4466	-122.362	37.71547	1772.72073	0	0	0	RS-700	-0.82228
4467	-122.362	37.71547	1907.874	0	0	0	RS-700	-0.14988
4468	-122.362	37.71547	1852.65946	0	0	0	RS-700	-0.42458
4469	-122.362	37.71547	1853.84811	0	0	0	RS-700	-0.41867
4470	-122.362	37.71547	1876.66621	0	0	0	RS-700	-0.30514
4471	-122.362	37.71547	1853.03039	0	0	0	RS-700	-0.42273
4472	-122.362	37.71547	1881.39591	0	0	0	RS-700	-0.28161
4473	-122.362	37.71547	1994.99939	0	0	0	RS-700	0.283579
4474	-122.362	37.71547	1820.28432	0	0	0	RS-700	-0.58565
4475	-122.362	37.71547	1925.59193	0	0	0	RS-700	-0.06173
4476	-122.362	37.71547	1874.68109	0	0	0	RS-700	-0.31502
4477	-122.362	37.71547	1921.77943	0	0	0	RS-700	-0.0807
4478	-122.362	37.71547	1910.68029	0	0	0	RS-700	-0.13592
4479	-122.362	37.71547	1880.04434	0	0	0	RS-700	-0.28834
4480	-122.362	37.71547	1764.51413	0	0	0	RS-700	-0.86311
4481	-122.362	37.71547	1872.48041	0	0	0	RS-700	-0.32597
4482	-122.362	37.71547	1994.0093	0	0	0	RS-700	0.278653
4483	-122.362	37.71547	1878.19829	0	0	0	RS-700	-0.29752
4484	-122.362	37.71547	1827.56093	0	0	0	RS-700	-0.54945
4485	-122.362	37.71547	1855.47407	0	0	0	RS-700	-0.41058
4486	-122.362	37.71547	1812.27933	0	0	0	RS-700	-0.62548
4487	-122.362	37.71547	1798.73201	0	0	0	RS-700	-0.69288
4488	-122.362	37.71547	1830.84074	0	0	0	RS-700	-0.53313
4489	-122.362	37.71547	1904.19848	0	0	0	RS-700	-0.16817
4490	-122.362	37.71547	1838.47487	0	0	0	RS-700	-0.49515
4491	-122.362	37.71547	1871.85757	0	0	0	RS-700	-0.32907
4492	-122.362	37.71547	1836.93134	0	0	0	RS-700	-0.50283
4493	-122.362	37.71547	1890.2918	0	0	0	RS-700	-0.23735
4494	-122.362	37.71547	1828.83351	0	0	0	RS-700	-0.54312
4495	-122.362	37.71547	1908.77424	0	0	0	RS-700	-0.1454
4496	-122.362	37.71547	1933.39832	0	0	0	RS-700	-0.02289
4497	-122.362	37.71547	1880.67061	0	0	0	RS-700	-0.28522
4498	-122.362	37.71547	1902.88421	0	0	0	RS-700	-0.17471
4499	-122.362	37.71547	1909.58492	0	0	0	RS-700	-0.14137

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4500	-122.362	37.71547	1855.58856	0	0	0	RS-700	-0.41001
4501	-122.362	37.71547	1925.60143	0	0	0	RS-700	-0.06168
4502	-122.362	37.71547	1843.73921	0	0	0	RS-700	-0.46896
4503	-122.362	37.71547	1851.28879	0	0	0	RS-700	-0.4314
4504	-122.362	37.71547	1936.17585	0	0	0	RS-700	-0.00908
4505	-122.362	37.71547	1915.58022	0	0	0	RS-700	-0.11154
4506	-122.362	37.71547	1857.84647	0	0	0	RS-700	-0.39877
4507	-122.362	37.71547	1929.49526	0	0	0	RS-700	-0.04231
4508	-122.362	37.71547	1891.67568	0	0	0	RS-700	-0.23047
4509	-122.362	37.71547	1844.38079	0	0	0	RS-700	-0.46577
4510	-122.362	37.71547	1964.70492	0	0	0	RS-700	0.13286
4511	-122.362	37.71547	1889.76799	0	0	0	RS-700	-0.23996
4512	-122.362	37.71547	1895.98803	0	0	0	RS-700	-0.20901
4513	-122.362	37.71547	1887.85761	0	0	0	RS-700	-0.24946
4514	-122.362	37.71547	1851.56921	0	0	0	RS-700	-0.43
4515	-122.362	37.71547	1908.67615	0	0	0	RS-700	-0.14589
4516	-122.362	37.71547	1878.12728	0	0	0	RS-700	-0.29787
4517	-122.362	37.71547	1871.6703	0	0	0	RS-700	-0.33
4518	-122.362	37.71547	1826.74521	0	0	0	RS-700	-0.55351
4519	-122.362	37.71547	1776.89724	0	0	0	RS-700	-0.80151
4520	-122.362	37.71547	1804.73426	0	0	0	RS-700	-0.66301
4521	-122.362	37.71547	1844.37993	0	0	0	RS-700	-0.46577
4522	-122.362	37.71547	1876.58567	0	0	0	RS-700	-0.30554
4523	-122.362	37.71547	1973.69631	0	0	0	RS-700	0.177594
4524	-122.362	37.71547	1947.88698	0	0	0	RS-700	0.049189
4525	-122.362	37.71547	1819.64467	0	0	0	RS-700	-0.58883
4526	-122.362	37.71547	1834.573	0	0	0	RS-700	-0.51456
4527	-122.362	37.71547	1876.67174	0	0	0	RS-700	-0.30512
4528	-122.362	37.71547	1824.4664	0	0	0	RS-700	-0.56484
4529	-122.362	37.71547	1836.46409	0	0	0	RS-700	-0.50515
4530	-122.362	37.71547	1890.67093	0	0	0	RS-700	-0.23547
4531	-122.362	37.71547	1787.45489	0	0	0	RS-700	-0.74898
4532	-122.362	37.71547	1859.37753	0	0	0	RS-700	-0.39116
4533	-122.362	37.71547	1788.45819	0	0	0	RS-700	-0.74399
4534	-122.362	37.71547	1848.95582	0	0	0	RS-700	-0.44301
4535	-122.362	37.71547	1863.94357	0	0	0	RS-700	-0.36844
4536	-122.362	37.71547	1875.31032	0	0	0	RS-700	-0.31189
4537	-122.362	37.71547	1806.73037	0	0	0	RS-700	-0.65308
4538	-122.362	37.71547	1888.28928	0	0	0	RS-700	-0.24732
4539	-122.362	37.71547	1861.57803	0	0	0	RS-700	-0.38021
4540	-122.362	37.71547	1795.55104	0	0	0	RS-700	-0.7087
4541	-122.362	37.71547	1930.58035	0	0	0	RS-700	-0.03691
4542	-122.362	37.71547	1856.56958	0	0	0	RS-700	-0.40513
4543	-122.362	37.71547	1841.30874	0	0	0	RS-700	-0.48105
4544	-122.362	37.71547	1866.76895	0	0	0	RS-700	-0.35438

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4545	-122.362	37.71547	1859.66131	0	0	0	RS-700	-0.38974
4546	-122.362	37.71547	1903.77542	0	0	0	RS-700	-0.17027
4547	-122.362	37.71547	1847.13313	0	0	0	RS-700	-0.45207
4548	-122.362	37.71547	1830.46966	0	0	0	RS-700	-0.53498
4549	-122.362	37.71547	1774.07344	0	0	0	RS-700	-0.81556
4550	-122.362	37.71547	1805.91479	0	0	0	RS-700	-0.65714
4551	-122.362	37.71547	1883.42015	0	0	0	RS-700	-0.27154
4552	-122.362	37.71547	1856.57098	0	0	0	RS-700	-0.40512
4553	-122.362	37.71547	1811.73537	0	0	0	RS-700	-0.62818
4554	-122.362	37.71547	1917.58816	0	0	0	RS-700	-0.10155
4555	-122.362	37.71547	1933.68985	0	0	0	RS-700	-0.02144
4556	-122.362	37.71547	1947.89075	0	0	0	RS-700	0.049208
4557	-122.362	37.71547	1860.84389	0	0	0	RS-700	-0.38386
4558	-122.362	37.71547	1852.93789	0	0	0	RS-700	-0.42319
4559	-122.362	37.71547	1914.58512	0	0	0	RS-700	-0.11649
4560	-122.362	37.71547	1801.19461	0	0	0	RS-700	-0.68062
4561	-122.362	37.71547	1826.65384	0	0	0	RS-700	-0.55396
4562	-122.362	37.71547	1855.94091	0	0	0	RS-700	-0.40825
4563	-122.362	37.71547	1822.64886	0	0	0	RS-700	-0.57389
4564	-122.362	37.71547	1857.85527	0	0	0	RS-700	-0.39873
4565	-122.362	37.71547	1866.56464	0	0	0	RS-700	-0.3554
4566	-122.362	37.71547	1867.86724	0	0	0	RS-700	-0.34892
4567	-122.362	37.71547	1876.37757	0	0	0	RS-700	-0.30658
4568	-122.362	37.71547	1924.38988	0	0	0	RS-700	-0.06771
4569	-122.362	37.71547	1887.86681	0	0	0	RS-700	-0.24942
4570	-122.362	37.71547	1782.73117	0	0	0	RS-700	-0.77248
4571	-122.362	37.71547	1831.74473	0	0	0	RS-700	-0.52863
4572	-122.362	37.71547	1847.66181	0	0	0	RS-700	-0.44944
4573	-122.362	37.71547	1827.64988	0	0	0	RS-700	-0.54901
4574	-122.362	37.71547	1838.56427	0	0	0	RS-700	-0.49471
4575	-122.362	37.71547	1911.96167	0	0	0	RS-700	-0.12954
4576	-122.362	37.71547	1832.56736	0	0	0	RS-700	-0.52454
4577	-122.362	37.71547	1820.00849	0	0	0	RS-700	-0.58702
4578	-122.362	37.71547	1884.50076	0	0	0	RS-700	-0.26617
4579	-122.362	37.71547	1917.58737	0	0	0	RS-700	-0.10156
4580	-122.362	37.71547	1797.80718	0	0	0	RS-700	-0.69748
4581	-122.362	37.71547	1927.39504	0	0	0	RS-700	-0.05276
4582	-122.362	37.71547	1870.0419	0	0	0	RS-700	-0.3381
4583	-122.362	37.71547	1864.03639	0	0	0	RS-700	-0.36798
4584	-122.362	37.71547	1828.92561	0	0	0	RS-700	-0.54266
4585	-122.362	37.71547	1922.68587	0	0	0	RS-700	-0.07619
4586	-122.362	37.71547	1784.63324	0	0	0	RS-700	-0.76302
4587	-122.362	37.71547	1810.27834	0	0	0	RS-700	-0.63543
4588	-122.362	37.71547	1893.75943	0	0	0	RS-700	-0.2201
4589	-122.362	37.71547	1883.3726	0	0	0	RS-700	-0.27178



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4590	-122.362	37.71547	1818.5571	0	0	0	RS-700	-0.59424
4591	-122.362	37.71547	1831.745	0	0	0	RS-700	-0.52863
4592	-122.362	37.71547	1864.67565	0	0	0	RS-700	-0.3648
4593	-122.362	37.71547	1876.66429	0	0	0	RS-700	-0.30515
4594	-122.362	37.71547	1850.76294	0	0	0	RS-700	-0.43402
4595	-122.362	37.71547	1876.38524	0	0	0	RS-700	-0.30654
4596	-122.362	37.71547	1840.55726	0	0	0	RS-700	-0.48479
4597	-122.362	37.71547	1874.9492	0	0	0	RS-700	-0.31369
4598	-122.362	37.71547	1827.56141	0	0	0	RS-700	-0.54945
4599	-122.362	37.71547	1941.29877	0	0	0	RS-700	0.016412
4600	-122.362	37.71547	1906.58519	0	0	0	RS-700	-0.15629
4601	-122.362	37.71547	1860.6521	0	0	0	RS-700	-0.38482
4602	-122.362	37.71547	1851.76363	0	0	0	RS-700	-0.42904
4603	-122.362	37.71547	1844.47257	0	0	0	RS-700	-0.46531
4604	-122.362	37.71547	1887.49382	0	0	0	RS-700	-0.25127
4605	-122.362	37.71547	1898.20117	0	0	0	RS-700	-0.198
4606	-122.362	37.71547	1929.39973	0	0	0	RS-700	-0.04279
4607	-122.362	37.71547	1855.3651	0	0	0	RS-700	-0.41112
4608	-122.362	37.71547	1841.74932	0	0	0	RS-700	-0.47886
4609	-122.362	37.71547	1860.47716	0	0	0	RS-700	-0.38569
4610	-122.362	37.71547	1885.57974	0	0	0	RS-700	-0.2608
4611	-122.362	37.71547	1877.76109	0	0	0	RS-700	-0.2997
4612	-122.362	37.71547	1878.67149	0	0	0	RS-700	-0.29517
4613	-122.362	37.71547	1821.46524	0	0	0	RS-700	-0.57977
4614	-122.362	37.71547	1854.66292	0	0	0	RS-700	-0.41461
4615	-122.362	37.71547	1810.18263	0	0	0	RS-700	-0.63591
4616	-122.362	37.71547	1908.84879	0	0	0	RS-700	-0.14503
4617	-122.362	37.71547	1885.57697	0	0	0	RS-700	-0.26081
4618	-122.362	37.71547	1843.13477	0	0	0	RS-700	-0.47197
4619	-122.362	37.71547	1891.77115	0	0	0	RS-700	-0.22999
4620	-122.362	37.71547	1836.85529	0	0	0	RS-700	-0.50321
4621	-122.362	37.71547	1851.66156	0	0	0	RS-700	-0.42954
4622	-122.362	37.71547	1833.01482	0	0	0	RS-700	-0.52231
4623	-122.362	37.71547	1790.54792	0	0	0	RS-700	-0.73359
4624	-122.362	37.71547	1809.10578	0	0	0	RS-700	-0.64126
4625	-122.362	37.71547	1846.84147	0	0	0	RS-700	-0.45353
4626	-122.362	37.71548	1612.49505	0	0	0	RS-700	-1.61943
4627	-122.362	37.71548	1057.32338	0	0	0	RS-700	-4.38148
4628	-122.362	37.71548	896.13068	0	0	0	RS-700	-5.18343
4629	-122.362	37.71548	847.08872	0	0	0	RS-700	-5.42742
4630	-122.362	37.71548	827.28901	0	0	0	RS-700	-5.52593
4631	-122.362	37.71548	880.11116	0	0	0	RS-700	-5.26313
4632	-122.362	37.71549	1030.10975	0	0	0	RS-700	-4.51687
4633	-122.362	37.71549	1758.71905	0	0	0	RS-700	-0.89195
4634	-122.362	37.71549	1848.55745	0	0	0	RS-700	-0.44499

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4635	-122.362	37.71549	1749.44957	0	0	0	RS-700	-0.93806
4636	-122.362	37.71549	1837.47206	0	0	0	RS-700	-0.50014
4637	-122.362	37.71549	1971.80945	0	0	0	RS-700	0.168206
4638	-122.362	37.71549	1915.97279	0	0	0	RS-700	-0.10959
4639	-122.362	37.7155	1866.47613	0	0	0	RS-700	-0.35584
4640	-122.362	37.7155	1863.7592	0	0	0	RS-700	-0.36936
4641	-122.362	37.7155	1905.68581	0	0	0	RS-700	-0.16077
4642	-122.362	37.7155	1941.29868	0	0	0	RS-700	0.016411
4643	-122.362	37.71551	1969.60695	0	0	0	RS-700	0.157249
4644	-122.362	37.71551	1969.30939	0	0	0	RS-700	0.155768
4645	-122.362	37.71551	1960.30326	0	0	0	RS-700	0.110961
4646	-122.362	37.71551	1940.49779	0	0	0	RS-700	0.012427
4647	-122.362	37.71552	2042.52325	0	0	0	RS-700	0.520016
4648	-122.362	37.71552	1990.92592	0	0	0	RS-700	0.263313
4649	-122.362	37.71552	1970.52293	0	0	0	RS-700	0.161806
4650	-122.362	37.71552	1981.50564	0	0	0	RS-700	0.216446
4651	-122.362	37.71553	1999.71523	0	0	0	RS-700	0.307041
4652	-122.362	37.71553	1845.74832	0	0	0	RS-700	-0.45896
4653	-122.362	37.71553	1981.71105	0	0	0	RS-700	0.217468
4654	-122.362	37.71553	2003.62089	0	0	0	RS-700	0.326472
4655	-122.362	37.71554	1930.88388	0	0	0	RS-700	-0.0354
4656	-122.362	37.71554	1820.46327	0	0	0	RS-700	-0.58476
4657	-122.362	37.71554	2022.51277	0	0	0	RS-700	0.420462
4658	-122.362	37.71555	1904.68837	0	0	0	RS-700	-0.16573
4659	-122.362	37.71555	1935.7869	0	0	0	RS-700	-0.01101
4660	-122.362	37.71555	1837.66065	0	0	0	RS-700	-0.4992
4661	-122.362	37.71555	1604.48055	0	0	0	RS-700	-1.6593
4662	-122.362	37.71556	1681.76544	0	0	0	RS-700	-1.2748
4663	-122.362	37.71556	1890.48464	0	0	0	RS-700	-0.23639
4664	-122.362	37.71556	1905.3999	0	0	0	RS-700	-0.16219
4665	-122.362	37.71556	1939.49656	0	0	0	RS-700	0.007446
4666	-122.362	37.71557	1909.86727	0	0	0	RS-700	-0.13996
4667	-122.362	37.71557	1993.01435	0	0	0	RS-700	0.273703
4668	-122.362	37.71557	2038.03311	0	0	0	RS-700	0.497677
4669	-122.362	37.71557	1918.58168	0	0	0	RS-700	-0.09661
4670	-122.362	37.71558	1936.68938	0	0	0	RS-700	-0.00652
4671	-122.362	37.71558	1923.20356	0	0	0	RS-700	-0.07361
4672	-122.362	37.71558	1875.38753	0	0	0	RS-700	-0.3115
4673	-122.362	37.71558	1895.77128	0	0	0	RS-700	-0.21009
4674	-122.362	37.71559	1860.82855	0	0	0	RS-700	-0.38394
4675	-122.362	37.71559	1864.67159	0	0	0	RS-700	-0.36482
4676	-122.362	37.71559	1834.46866	0	0	0	RS-700	-0.51508
4677	-122.362	37.71559	1896.96088	0	0	0	RS-700	-0.20417
4678	-122.362	37.7156	1920.68673	0	0	0	RS-700	-0.08614
4679	-122.362	37.7156	1912.57415	0	0	0	RS-700	-0.1265

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4680	-122.362	37.7156	1891.78264	0	0	0	RS-700	-0.22994
4681	-122.362	37.71561	1818.09195	0	0	0	RS-700	-0.59656
4682	-122.362	37.71561	2066.53251	0	0	0	RS-700	0.639465
4683	-122.362	37.71561	1974.07945	0	0	0	RS-700	0.1795
4684	-122.362	37.71561	2124.76676	0	0	0	RS-700	0.929188
4685	-122.362	37.71562	2119.55229	0	0	0	RS-700	0.903245
4686	-122.362	37.71562	2204.89549	0	0	0	RS-700	1.327838
4687	-122.362	37.71562	2230.01618	0	0	0	RS-700	1.452817
4688	-122.362	37.71563	2185.34614	0	0	0	RS-700	1.230578
4689	-122.362	37.71563	2271.92644	0	0	0	RS-700	1.661326
4690	-122.362	37.71563	2149.87329	0	0	0	RS-700	1.054096
4691	-122.362	37.71563	2145.66075	0	0	0	RS-700	1.033138
4692	-122.362	37.71564	2151.86521	0	0	0	RS-700	1.064006
4693	-122.362	37.71564	2282.93099	0	0	0	RS-700	1.716075
4694	-122.362	37.71564	2156.27668	0	0	0	RS-700	1.085954
4695	-122.362	37.71564	2254.58554	0	0	0	RS-700	1.575052
4696	-122.362	37.71563	2262.03974	0	0	0	RS-700	1.612138
4697	-122.362	37.71563	2265.03321	0	0	0	RS-700	1.627031
4698	-122.362	37.71563	2367.54988	0	0	0	RS-700	2.137064
4699	-122.362	37.71563	2319.05372	0	0	0	RS-700	1.89579
4700	-122.362	37.71564	2305.39969	0	0	0	RS-700	1.827859
4701	-122.362	37.71564	2308.59167	0	0	0	RS-700	1.84374
4702	-122.362	37.71563	2087.64047	0	0	0	RS-700	0.74448
4703	-122.362	37.71563	2191.65085	0	0	0	RS-700	1.261945
4704	-122.362	37.71563	2045.73201	0	0	0	RS-700	0.53598
4705	-122.362	37.71563	2027.01354	0	0	0	RS-700	0.442853
4706	-122.362	37.71563	2024.71316	0	0	0	RS-700	0.431409
4707	-122.362	37.71562	2005.91646	0	0	0	RS-700	0.337893
4708	-122.362	37.71562	1916.78041	0	0	0	RS-700	-0.10557
4709	-122.362	37.71562	1982.90524	0	0	0	RS-700	0.223409
4710	-122.362	37.71561	1864.47777	0	0	0	RS-700	-0.36578
4711	-122.362	37.71561	1822.37393	0	0	0	RS-700	-0.57525
4712	-122.362	37.71561	1799.54175	0	0	0	RS-700	-0.68885
4713	-122.362	37.7156	1834.74695	0	0	0	RS-700	-0.5137
4714	-122.362	37.7156	1815.65255	0	0	0	RS-700	-0.60869
4715	-122.362	37.7156	1884.3927	0	0	0	RS-700	-0.2667
4716	-122.362	37.7156	1862.29949	0	0	0	RS-700	-0.37662
4717	-122.362	37.71559	1806.27835	0	0	0	RS-700	-0.65533
4718	-122.362	37.71559	1818.10073	0	0	0	RS-700	-0.59651
4719	-122.362	37.71559	1904.6859	0	0	0	RS-700	-0.16574
4720	-122.362	37.71559	1946.89062	0	0	0	RS-700	0.044232
4721	-122.362	37.71558	1881.29485	0	0	0	RS-700	-0.28212
4722	-122.362	37.71558	1935.78805	0	0	0	RS-700	-0.011
4723	-122.362	37.71558	1999.59468	0	0	0	RS-700	0.306441
4724	-122.362	37.71558	1952.5016	0	0	0	RS-700	0.072147

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4725	-122.362	37.71558	1938.08501	0	0	0	RS-700	0.000423
4726	-122.362	37.71558	1952.69757	0	0	0	RS-700	0.073122
4727	-122.362	37.71558	1887.29184	0	0	0	RS-700	-0.25228
4728	-122.362	37.71558	1860.57271	0	0	0	RS-700	-0.38521
4729	-122.362	37.71558	1926.97607	0	0	0	RS-700	-0.05485
4730	-122.362	37.71558	1960.1903	0	0	0	RS-700	0.1104
4731	-122.362	37.71558	1956.99157	0	0	0	RS-700	0.094485
4732	-122.362	37.71558	1958.89325	0	0	0	RS-700	0.103947
4733	-122.362	37.71558	1925.78267	0	0	0	RS-700	-0.06078
4734	-122.362	37.71558	1968.60265	0	0	0	RS-700	0.152252
4735	-122.362	37.71558	1968.39952	0	0	0	RS-700	0.151241
4736	-122.362	37.71558	1936.60587	0	0	0	RS-700	-0.00694
4737	-122.362	37.71558	1932.69238	0	0	0	RS-700	-0.02641
4738	-122.362	37.71558	1997.70558	0	0	0	RS-700	0.297043
4739	-122.362	37.71558	1887.48938	0	0	0	RS-700	-0.2513
4740	-122.362	37.71558	1918.59115	0	0	0	RS-700	-0.09656
4741	-122.362	37.71558	1936.88096	0	0	0	RS-700	-0.00557
4742	-122.362	37.71558	1913.50377	0	0	0	RS-700	-0.12187
4743	-122.362	37.71558	1914.37043	0	0	0	RS-700	-0.11756
4744	-122.362	37.71558	1981.30937	0	0	0	RS-700	0.21547
4745	-122.362	37.71558	1910.87953	0	0	0	RS-700	-0.13493
4746	-122.362	37.71558	1971.70182	0	0	0	RS-700	0.167671
4747	-122.362	37.71558	1889.48649	0	0	0	RS-700	-0.24136
4748	-122.362	37.71558	1934.19648	0	0	0	RS-700	-0.01892
4749	-122.362	37.71558	1958.99238	0	0	0	RS-700	0.10444
4750	-122.362	37.71558	1951.79931	0	0	0	RS-700	0.068653
4751	-122.362	37.71558	1922.87614	0	0	0	RS-700	-0.07524
4752	-122.362	37.71558	1940.6858	0	0	0	RS-700	0.013362
4753	-122.362	37.71558	1911.78227	0	0	0	RS-700	-0.13044
4754	-122.362	37.71558	1941.78101	0	0	0	RS-700	0.018811
4755	-122.362	37.71558	1959.50291	0	0	0	RS-700	0.10698
4756	-122.362	37.71558	1943.59788	0	0	0	RS-700	0.02785
4757	-122.362	37.71558	1953.40767	0	0	0	RS-700	0.076655
4758	-122.362	37.71558	1866.57283	0	0	0	RS-700	-0.35536
4759	-122.362	37.71558	1872.66683	0	0	0	RS-700	-0.32504
4760	-122.362	37.71558	1959.89309	0	0	0	RS-700	0.108921
4761	-122.362	37.71558	1964.70076	0	0	0	RS-700	0.13284
4762	-122.362	37.71558	1908.48869	0	0	0	RS-700	-0.14682
4763	-122.362	37.71558	1953.98936	0	0	0	RS-700	0.079549
4764	-122.362	37.71558	1909.78134	0	0	0	RS-700	-0.14039
4765	-122.362	37.71558	1908.05385	0	0	0	RS-700	-0.14899
4766	-122.362	37.71558	1948.69065	0	0	0	RS-700	0.053187
4767	-122.362	37.71558	1976.40815	0	0	0	RS-700	0.191085
4768	-122.362	37.71558	1955.98959	0	0	0	RS-700	0.0895
4769	-122.362	37.71558	1951.89754	0	0	0	RS-700	0.069142

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4770	-122.362	37.71558	1845.93988	0	0	0	RS-700	-0.45801
4771	-122.362	37.71558	1961.60149	0	0	0	RS-700	0.11742
4772	-122.362	37.71558	1939.39761	0	0	0	RS-700	0.006953
4773	-122.362	37.71558	1964.59812	0	0	0	RS-700	0.132329
4774	-122.362	37.71558	1885.38998	0	0	0	RS-700	-0.26174
4775	-122.362	37.71558	1885.13597	0	0	0	RS-700	-0.26301
4776	-122.362	37.71558	1842.74489	0	0	0	RS-700	-0.47391
4777	-122.362	37.71558	1960.60222	0	0	0	RS-700	0.112449
4778	-122.362	37.71558	1923.97559	0	0	0	RS-700	-0.06977
4779	-122.362	37.71558	1888.57858	0	0	0	RS-700	-0.24588
4780	-122.362	37.71558	1962.28849	0	0	0	RS-700	0.120838
4781	-122.362	37.71558	1905.87966	0	0	0	RS-700	-0.1598
4782	-122.362	37.71558	1924.98723	0	0	0	RS-700	-0.06474
4783	-122.362	37.71558	1935.3648	0	0	0	RS-700	-0.01311
4784	-122.362	37.71558	1877.77409	0	0	0	RS-700	-0.29963
4785	-122.362	37.71557	1876.30283	0	0	0	RS-700	-0.30695
4786	-122.362	37.71557	1889.48688	0	0	0	RS-700	-0.24136
4787	-122.362	37.71557	1637.58604	0	0	0	RS-700	-1.4946
4788	-122.362	37.71557	1629.25597	0	0	0	RS-700	-1.53604
4789	-122.362	37.71556	1851.66173	0	0	0	RS-700	-0.42954
4790	-122.362	37.71556	1832.46751	0	0	0	RS-700	-0.52504
4791	-122.362	37.71556	1831.01682	0	0	0	RS-700	-0.53225
4792	-122.362	37.71556	1874.86956	0	0	0	RS-700	-0.31408
4793	-122.362	37.71555	1985.61843	0	0	0	RS-700	0.236908
4794	-122.362	37.71555	1962.59644	0	0	0	RS-700	0.12237
4795	-122.362	37.71555	1951.80074	0	0	0	RS-700	0.06866
4796	-122.362	37.71555	2002.50774	0	0	0	RS-700	0.320934
4797	-122.362	37.71554	1911.58171	0	0	0	RS-700	-0.13143
4798	-122.362	37.71554	1919.57741	0	0	0	RS-700	-0.09165
4799	-122.362	37.71554	1858.48273	0	0	0	RS-700	-0.39561
4800	-122.362	37.71554	1925.59018	0	0	0	RS-700	-0.06174
4801	-122.362	37.71554	1964.89608	0	0	0	RS-700	0.133811
4802	-122.362	37.71553	1939.59865	0	0	0	RS-700	0.007953
4803	-122.362	37.71553	1950.08717	0	0	0	RS-700	0.060135
4804	-122.362	37.71553	1878.85988	0	0	0	RS-700	-0.29423
4805	-122.362	37.71552	1948.97716	0	0	0	RS-700	0.054613
4806	-122.362	37.71552	1936.79068	0	0	0	RS-700	-0.00602
4807	-122.362	37.71552	2004.21529	0	0	0	RS-700	0.329429
4808	-122.362	37.71552	1941.59566	0	0	0	RS-700	0.017889
4809	-122.362	37.71551	1928.39691	0	0	0	RS-700	-0.04778
4810	-122.362	37.71551	1920.16692	0	0	0	RS-700	-0.08872
4811	-122.362	37.71551	1880.57265	0	0	0	RS-700	-0.28571
4812	-122.362	37.71551	1923.39989	0	0	0	RS-700	-0.07264
4813	-122.362	37.71551	1920.58312	0	0	0	RS-700	-0.08665
4814	-122.362	37.71551	1899.67468	0	0	0	RS-700	-0.19067

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4815	-122.362	37.71551	1919.77946	0	0	0	RS-700	-0.09065
4816	-122.362	37.71551	1926.00216	0	0	0	RS-700	-0.05969
4817	-122.362	37.71551	1957.70032	0	0	0	RS-700	0.098012
4818	-122.362	37.71551	1878.94703	0	0	0	RS-700	-0.2938
4819	-122.362	37.71551	1962.5035	0	0	0	RS-700	0.121908
4820	-122.362	37.71551	1989.41081	0	0	0	RS-700	0.255775
4821	-122.362	37.71551	1924.39608	0	0	0	RS-700	-0.06768
4822	-122.362	37.71551	1963.59103	0	0	0	RS-700	0.127319
4823	-122.362	37.71551	1964.089	0	0	0	RS-700	0.129796
4824	-122.362	37.71551	1959.89895	0	0	0	RS-700	0.10895
4825	-122.362	37.71551	1951.97964	0	0	0	RS-700	0.06955
4826	-122.362	37.71551	1948.79438	0	0	0	RS-700	0.053703
4827	-122.362	37.71551	1893.8676	0	0	0	RS-700	-0.21956
4828	-122.362	37.71551	1923.59811	0	0	0	RS-700	-0.07165
4829	-122.362	37.71551	1847.664	0	0	0	RS-700	-0.44943
4830	-122.362	37.71551	1841.6606	0	0	0	RS-700	-0.4793
4831	-122.362	37.71551	1987.50715	0	0	0	RS-700	0.246304
4832	-122.362	37.71551	1896.8629	0	0	0	RS-700	-0.20466
4833	-122.362	37.71551	1988.80895	0	0	0	RS-700	0.252781
4834	-122.362	37.7155	1952.60361	0	0	0	RS-700	0.072655
4835	-122.362	37.7155	1871.6649	0	0	0	RS-700	-0.33003
4836	-122.362	37.7155	1871.9495	0	0	0	RS-700	-0.32861
4837	-122.362	37.7155	1827.56305	0	0	0	RS-700	-0.54944
4838	-122.362	37.7155	1843.66121	0	0	0	RS-700	-0.46935
4839	-122.362	37.7155	1783.99311	0	0	0	RS-700	-0.7662
4840	-122.362	37.71549	1791.38806	0	0	0	RS-700	-0.72941
4841	-122.362	37.71549	1834.67132	0	0	0	RS-700	-0.51407
4842	-122.362	37.71549	1806.73392	0	0	0	RS-700	-0.65307
4843	-122.362	37.71549	1943.87866	0	0	0	RS-700	0.029247
4844	-122.362	37.71549	1920.6712	0	0	0	RS-700	-0.08621
4845	-122.362	37.71549	1907.58458	0	0	0	RS-700	-0.15132
4846	-122.362	37.71549	1988.21031	0	0	0	RS-700	0.249803
4847	-122.362	37.71548	1916.26047	0	0	0	RS-700	-0.10816
4848	-122.362	37.71548	1880.19923	0	0	0	RS-700	-0.28757
4849	-122.362	37.71548	1955.18624	0	0	0	RS-700	0.085504
4850	-122.362	37.71548	1941.60015	0	0	0	RS-700	0.017911
4851	-122.362	37.71548	1895.94792	0	0	0	RS-700	-0.20921
4852	-122.362	37.71548	1905.77368	0	0	0	RS-700	-0.16033
4853	-122.362	37.71548	1858.56285	0	0	0	RS-700	-0.39521
4854	-122.362	37.71547	1867.66654	0	0	0	RS-700	-0.34992
4855	-122.362	37.71547	1929.36403	0	0	0	RS-700	-0.04297
4856	-122.362	37.71547	1938.49619	0	0	0	RS-700	0.002469
4857	-122.362	37.71547	1996.70481	0	0	0	RS-700	0.292064
4858	-122.362	37.71547	1950.08429	0	0	0	RS-700	0.060121
4859	-122.362	37.71547	1848.37672	0	0	0	RS-700	-0.44589

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4860	-122.362	37.71547	1881.76636	0	0	0	RS-700	-0.27977
4861	-122.362	37.71547	1971.70826	0	0	0	RS-700	0.167703
4862	-122.362	37.71547	1990.20964	0	0	0	RS-700	0.259749
4863	-122.362	37.71547	1941.78669	0	0	0	RS-700	0.018839
4864	-122.362	37.71547	1936.30225	0	0	0	RS-700	-0.00845
4865	-122.362	37.71547	1918.87372	0	0	0	RS-700	-0.09516
4866	-122.362	37.71547	1959.2836	0	0	0	RS-700	0.105889
4867	-122.362	37.71547	1945.50091	0	0	0	RS-700	0.037318
4868	-122.362	37.71547	1970.00374	0	0	0	RS-700	0.159223
4869	-122.362	37.71547	1927.78405	0	0	0	RS-700	-0.05083
4870	-122.362	37.71547	1869.58482	0	0	0	RS-700	-0.34037
4871	-122.362	37.71547	1850.28812	0	0	0	RS-700	-0.43638
4872	-122.362	37.71547	1861.19673	0	0	0	RS-700	-0.38211
4873	-122.362	37.71547	1892.54244	0	0	0	RS-700	-0.22616
4874	-122.362	37.71547	1918.68627	0	0	0	RS-700	-0.09609
4875	-122.362	37.71547	1938.7882	0	0	0	RS-700	0.003921
4876	-122.362	37.71547	1940.07484	0	0	0	RS-700	0.010323
4877	-122.362	37.71547	1939.39914	0	0	0	RS-700	0.006961
4878	-122.362	37.71547	1846.75014	0	0	0	RS-700	-0.45398
4879	-122.362	37.71547	1920.39541	0	0	0	RS-700	-0.08759
4880	-122.362	37.71547	1970.20142	0	0	0	RS-700	0.160206
4881	-122.362	37.71547	1930.97988	0	0	0	RS-700	-0.03493
4882	-122.362	37.71547	1896.39196	0	0	0	RS-700	-0.20701
4883	-122.362	37.71547	1840.84364	0	0	0	RS-700	-0.48336
4884	-122.362	37.71547	1886.57148	0	0	0	RS-700	-0.25586
4885	-122.362	37.71547	1850.94419	0	0	0	RS-700	-0.43311
4886	-122.362	37.71547	1869.29355	0	0	0	RS-700	-0.34182
4887	-122.362	37.71547	1906.05833	0	0	0	RS-700	-0.15891
4888	-122.362	37.71547	1912.39614	0	0	0	RS-700	-0.12738
4889	-122.362	37.71547	1969.28512	0	0	0	RS-700	0.155647
4890	-122.362	37.71547	1893.20094	0	0	0	RS-700	-0.22288
4891	-122.362	37.71547	1942.49513	0	0	0	RS-700	0.022364
4892	-122.362	37.71547	1922.20552	0	0	0	RS-700	-0.07858
4893	-122.362	37.71547	1893.86518	0	0	0	RS-700	-0.21958
4894	-122.362	37.71547	1943.59382	0	0	0	RS-700	0.02783
4895	-122.362	37.71547	1881.76224	0	0	0	RS-700	-0.27979
4896	-122.362	37.71547	1879.42945	0	0	0	RS-700	-0.2914
4897	-122.362	37.71547	1946.40082	0	0	0	RS-700	0.041795
4898	-122.362	37.71547	1925.57761	0	0	0	RS-700	-0.0618
4899	-122.362	37.71547	1898.58492	0	0	0	RS-700	-0.19609
4900	-122.362	37.71547	1957.69926	0	0	0	RS-700	0.098006
4901	-122.362	37.71547	1913.57714	0	0	0	RS-700	-0.12151
4902	-122.362	37.71547	1909.58607	0	0	0	RS-700	-0.14136
4903	-122.362	37.71547	1994.60626	0	0	0	RS-700	0.281623
4904	-122.362	37.71547	1868.75651	0	0	0	RS-700	-0.34449

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4905	-122.362	37.71547	1914.16209	0	0	0	RS-700	-0.1186
4906	-122.362	37.71547	1954.79652	0	0	0	RS-700	0.083565
4907	-122.362	37.71547	1934.59538	0	0	0	RS-700	-0.01694
4908	-122.362	37.71547	1928.58482	0	0	0	RS-700	-0.04684
4909	-122.362	37.71547	1954.79563	0	0	0	RS-700	0.08356
4910	-122.362	37.71547	1971.30147	0	0	0	RS-700	0.165679
4911	-122.362	37.71546	1961.79194	0	0	0	RS-700	0.118368
4912	-122.362	37.71546	1986.00372	0	0	0	RS-700	0.238824
4913	-122.362	37.71546	1882.94977	0	0	0	RS-700	-0.27388
4914	-122.362	37.71546	1961.00401	0	0	0	RS-700	0.114448
4915	-122.362	37.71546	1953.60567	0	0	0	RS-700	0.07764
4916	-122.362	37.71546	1998.41858	0	0	0	RS-700	0.30059
4917	-122.362	37.71546	1953.6976	0	0	0	RS-700	0.078098
4918	-122.362	37.71545	2051.63058	0	0	0	RS-700	0.565326
4919	-122.362	37.71545	1903.39217	0	0	0	RS-700	-0.17218
4920	-122.362	37.71545	1949.5094	0	0	0	RS-700	0.057261
4921	-122.362	37.71545	1978.7995	0	0	0	RS-700	0.202983
4922	-122.362	37.71545	1952.40402	0	0	0	RS-700	0.071662
4923	-122.362	37.71545	1907.49795	0	0	0	RS-700	-0.15175
4924	-122.362	37.71545	1914.10454	0	0	0	RS-700	-0.11888
4925	-122.362	37.71545	1958.3982	0	0	0	RS-700	0.101484
4926	-122.362	37.71545	1953.41642	0	0	0	RS-700	0.076699
4927	-122.362	37.71545	1919.50555	0	0	0	RS-700	-0.09201
4928	-122.362	37.71545	1946.88985	0	0	0	RS-700	0.044228
4929	-122.362	37.71545	1941.27358	0	0	0	RS-700	0.016286
4930	-122.362	37.71545	1948.39883	0	0	0	RS-700	0.051735
4931	-122.362	37.71545	1892.76688	0	0	0	RS-700	-0.22504
4932	-122.362	37.71545	1933.59361	0	0	0	RS-700	-0.02192
4933	-122.362	37.71545	1912.49226	0	0	0	RS-700	-0.1269
4934	-122.362	37.71545	1902.58495	0	0	0	RS-700	-0.17619
4935	-122.362	37.71545	1896.24657	0	0	0	RS-700	-0.20773
4936	-122.362	37.71544	1823.46893	0	0	0	RS-700	-0.56981
4937	-122.362	37.71544	1956.08587	0	0	0	RS-700	0.089979
4938	-122.362	37.71544	1909.77486	0	0	0	RS-700	-0.14042
4939	-122.362	37.71544	1928.78491	0	0	0	RS-700	-0.04585
4940	-122.362	37.71544	1905.58559	0	0	0	RS-700	-0.16127
4941	-122.362	37.71544	1896.95472	0	0	0	RS-700	-0.20421
4942	-122.362	37.71544	1921.76671	0	0	0	RS-700	-0.08076
4943	-122.362	37.71544	1876.57526	0	0	0	RS-700	-0.3056
4944	-122.362	37.71544	1889.77111	0	0	0	RS-700	-0.23994
4945	-122.362	37.71544	1900.05734	0	0	0	RS-700	-0.18877
4946	-122.362	37.71543	1804.6434	0	0	0	RS-700	-0.66347
4947	-122.362	37.71543	1897.2464	0	0	0	RS-700	-0.20275
4948	-122.362	37.71543	1930.60187	0	0	0	RS-700	-0.03681
4949	-122.362	37.71543	1829.28745	0	0	0	RS-700	-0.54086



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4950	-122.362	37.71543	1918.69382	0	0	0	RS-700	-0.09605
4951	-122.362	37.71543	1857.02753	0	0	0	RS-700	-0.40285
4952	-122.362	37.71543	1875.19861	0	0	0	RS-700	-0.31244
4953	-122.362	37.71542	1897.86721	0	0	0	RS-700	-0.19967
4954	-122.362	37.71542	1963.70093	0	0	0	RS-700	0.127865
4955	-122.362	37.71542	1855.57006	0	0	0	RS-700	-0.4101
4956	-122.362	37.71542	1870.38739	0	0	0	RS-700	-0.33638
4957	-122.362	37.71542	1910.39332	0	0	0	RS-700	-0.13735
4958	-122.362	37.71542	1874.04512	0	0	0	RS-700	-0.31818
4959	-122.362	37.71541	1917.30029	0	0	0	RS-700	-0.10298
4960	-122.362	37.71541	1884.19813	0	0	0	RS-700	-0.26767
4961	-122.362	37.71541	1958.89137	0	0	0	RS-700	0.103937
4962	-122.362	37.71541	1936.87546	0	0	0	RS-700	-0.00559
4963	-122.362	37.71541	1892.67422	0	0	0	RS-700	-0.2255
4964	-122.362	37.71541	1923.48857	0	0	0	RS-700	-0.0722
4965	-122.362	37.7154	1860.28849	0	0	0	RS-700	-0.38662
4966	-122.362	37.7154	1943.49873	0	0	0	RS-700	0.027357
4967	-122.362	37.7154	1976.10317	0	0	0	RS-700	0.189568
4968	-122.362	37.7154	1915.69533	0	0	0	RS-700	-0.11097
4969	-122.362	37.7154	1903.39785	0	0	0	RS-700	-0.17215
4970	-122.362	37.7154	1924.07099	0	0	0	RS-700	-0.0693
4971	-122.362	37.71539	1939.56675	0	0	0	RS-700	0.007795
4972	-122.362	37.71539	1878.66307	0	0	0	RS-700	-0.29521
4973	-122.362	37.71539	1889.94763	0	0	0	RS-700	-0.23907
4974	-122.362	37.71539	1846.75189	0	0	0	RS-700	-0.45397
4975	-122.362	37.71539	1847.84445	0	0	0	RS-700	-0.44854
4976	-122.362	37.71539	1920.26427	0	0	0	RS-700	-0.08824
4977	-122.362	37.71539	1888.4846	0	0	0	RS-700	-0.24635
4978	-122.362	37.71538	1917.16895	0	0	0	RS-700	-0.10364
4979	-122.362	37.71538	1867.66424	0	0	0	RS-700	-0.34993
4980	-122.362	37.71538	1902.48489	0	0	0	RS-700	-0.17669
4981	-122.362	37.71538	1869.83912	0	0	0	RS-700	-0.33911
4982	-122.362	37.71538	1870.76248	0	0	0	RS-700	-0.33452
4983	-122.362	37.71538	1971.99758	0	0	0	RS-700	0.169142
4984	-122.362	37.71537	1915.06891	0	0	0	RS-700	-0.11409
4985	-122.362	37.71537	1854.66315	0	0	0	RS-700	-0.41461
4986	-122.362	37.71537	1881.3897	0	0	0	RS-700	-0.28164
4987	-122.362	37.71537	2038.72855	0	0	0	RS-700	0.501137
4988	-122.362	37.71537	1952.58793	0	0	0	RS-700	0.072577
4989	-122.362	37.71536	1987.40618	0	0	0	RS-700	0.245802
4990	-122.362	37.71536	1989.10965	0	0	0	RS-700	0.254277
4991	-122.362	37.71536	1865.47777	0	0	0	RS-700	-0.36081
4992	-122.362	37.71536	1937.59608	0	0	0	RS-700	-0.00201
4993	-122.362	37.71536	1803.3725	0	0	0	RS-700	-0.66979
4994	-122.362	37.71535	1802.10618	0	0	0	RS-700	-0.67609

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
4995	-122.362	37.71535	1843.65529	0	0	0	RS-700	-0.46938
4996	-122.362	37.71535	1939.6848	0	0	0	RS-700	0.008382
4997	-122.362	37.71535	1888.19606	0	0	0	RS-700	-0.24778
4998	-122.362	37.71535	1868.05415	0	0	0	RS-700	-0.34799
4999	-122.362	37.71535	1847.56603	0	0	0	RS-700	-0.44992
5000	-122.362	37.71535	1847.85342	0	0	0	RS-700	-0.44849
5001	-122.362	37.71534	1758.27229	0	0	0	RS-700	-0.89417
5002	-122.362	37.71534	1836.83571	0	0	0	RS-700	-0.5033
5003	-122.362	37.71534	1789.54791	0	0	0	RS-700	-0.73857
5004	-122.362	37.71534	1819.6357	0	0	0	RS-700	-0.58888
5005	-122.362	37.71534	1842.65631	0	0	0	RS-700	-0.47435
5006	-122.362	37.71534	1807.09969	0	0	0	RS-700	-0.65125
5007	-122.362	37.71534	1810.73679	0	0	0	RS-700	-0.63315
5008	-122.362	37.71534	1789.36555	0	0	0	RS-700	-0.73947
5009	-122.362	37.71534	1873.29212	0	0	0	RS-700	-0.32193
5010	-122.362	37.71534	1831.83395	0	0	0	RS-700	-0.52819
5011	-122.362	37.71534	1853.0416	0	0	0	RS-700	-0.42268
5012	-122.362	37.71534	1931.88891	0	0	0	RS-700	-0.0304
5013	-122.362	37.71534	1865.57198	0	0	0	RS-700	-0.36034
5014	-122.362	37.71534	1835.13601	0	0	0	RS-700	-0.51176
5015	-122.362	37.71534	1791.27585	0	0	0	RS-700	-0.72997
5016	-122.362	37.71534	1773.54346	0	0	0	RS-700	-0.81819
5017	-122.362	37.71534	1809.02427	0	0	0	RS-700	-0.64167
5018	-122.362	37.71533	1811.72924	0	0	0	RS-700	-0.62821
5019	-122.362	37.71533	1807.64607	0	0	0	RS-700	-0.64853
5020	-122.362	37.71533	1813.46886	0	0	0	RS-700	-0.61956
5021	-122.362	37.71533	1837.02673	0	0	0	RS-700	-0.50235
5022	-122.362	37.71533	1804.73516	0	0	0	RS-700	-0.66301
5023	-122.362	37.71533	1764.98274	0	0	0	RS-700	-0.86078
5024	-122.362	37.71532	1898.57893	0	0	0	RS-700	-0.19612
5025	-122.362	37.71532	1783.99043	0	0	0	RS-700	-0.76622
5026	-122.362	37.71532	1796.64557	0	0	0	RS-700	-0.70326
5027	-122.362	37.71532	1806.72186	0	0	0	RS-700	-0.65313
5028	-122.362	37.71532	1812.74375	0	0	0	RS-700	-0.62317
5029	-122.362	37.71531	1792.93739	0	0	0	RS-700	-0.7217
5030	-122.362	37.71531	1729.52407	0	0	0	RS-700	-1.03719
5031	-122.362	37.71531	1760.62567	0	0	0	RS-700	-0.88246
5032	-122.362	37.71531	1821.55374	0	0	0	RS-700	-0.57933
5033	-122.361	37.71531	1828.65172	0	0	0	RS-700	-0.54402
5034	-122.361	37.71531	1844.11856	0	0	0	RS-700	-0.46707
5035	-122.361	37.7153	1804.4708	0	0	0	RS-700	-0.66432
5036	-122.361	37.7153	1748.9682	0	0	0	RS-700	-0.94046
5037	-122.361	37.7153	1808.54752	0	0	0	RS-700	-0.64404
5038	-122.361	37.7153	1860.57158	0	0	0	RS-700	-0.38522
5039	-122.361	37.7153	1847.47338	0	0	0	RS-700	-0.45038

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5040	-122.361	37.7153	1848.47607	0	0	0	RS-700	-0.44539
5041	-122.361	37.71529	1817.56648	0	0	0	RS-700	-0.59917
5042	-122.361	37.71529	1805.64713	0	0	0	RS-700	-0.65847
5043	-122.361	37.71529	1792.63523	0	0	0	RS-700	-0.72321
5044	-122.361	37.71529	1838.03753	0	0	0	RS-700	-0.49733
5045	-122.361	37.71529	1842.58046	0	0	0	RS-700	-0.47472
5046	-122.361	37.71529	1764.27532	0	0	0	RS-700	-0.8643
5047	-122.361	37.71528	1852.75215	0	0	0	RS-700	-0.42412
5048	-122.361	37.71528	1869.57656	0	0	0	RS-700	-0.34042
5049	-122.361	37.71528	1865.66359	0	0	0	RS-700	-0.35988
5050	-122.361	37.71528	1850.75271	0	0	0	RS-700	-0.43407
5051	-122.361	37.71528	1830.74423	0	0	0	RS-700	-0.53361
5052	-122.361	37.71527	1827.02237	0	0	0	RS-700	-0.55213
5053	-122.361	37.71527	1790.45802	0	0	0	RS-700	-0.73404
5054	-122.361	37.71527	1842.46413	0	0	0	RS-700	-0.4753
5055	-122.361	37.71527	1770.80559	0	0	0	RS-700	-0.83181
5056	-122.361	37.71527	1830.46671	0	0	0	RS-700	-0.53499
5057	-122.361	37.71527	1739.70326	0	0	0	RS-700	-0.98655
5058	-122.361	37.71526	1814.82657	0	0	0	RS-700	-0.6128
5059	-122.361	37.71526	1712.62151	0	0	0	RS-700	-1.12129
5060	-122.361	37.71526	1793.46233	0	0	0	RS-700	-0.71909
5061	-122.361	37.71526	1874.04486	0	0	0	RS-700	-0.31818
5062	-122.361	37.71526	1809.37446	0	0	0	RS-700	-0.63993
5063	-122.361	37.71525	1830.47587	0	0	0	RS-700	-0.53495
5064	-122.361	37.71525	1863.13023	0	0	0	RS-700	-0.37249
5065	-122.361	37.71525	1800.92143	0	0	0	RS-700	-0.68198
5066	-122.361	37.71525	1692.52015	0	0	0	RS-700	-1.22129
5067	-122.361	37.71525	1742.70113	0	0	0	RS-700	-0.97164
5068	-122.361	37.71524	1728.44309	0	0	0	RS-700	-1.04257
5069	-122.361	37.71524	1788.91227	0	0	0	RS-700	-0.74173
5070	-122.361	37.71524	1723.31263	0	0	0	RS-700	-1.0681
5071	-122.361	37.71524	1769.45061	0	0	0	RS-700	-0.83855
5072	-122.361	37.71524	1714.43775	0	0	0	RS-700	-1.11225
5073	-122.361	37.71524	1750.69999	0	0	0	RS-700	-0.93184
5074	-122.361	37.71523	1709.52502	0	0	0	RS-700	-1.13669
5075	-122.361	37.71523	1729.52374	0	0	0	RS-700	-1.0372
5076	-122.361	37.71523	1785.45676	0	0	0	RS-700	-0.75892
5077	-122.361	37.71523	1711.52511	0	0	0	RS-700	-1.12674
5078	-122.361	37.71523	1760.54102	0	0	0	RS-700	-0.88288
5079	-122.361	37.71523	1746.71016	0	0	0	RS-700	-0.95169
5080	-122.361	37.71522	1802.55177	0	0	0	RS-700	-0.67387
5081	-122.361	37.71522	1739.79565	0	0	0	RS-700	-0.98609
5082	-122.361	37.71522	1723.27034	0	0	0	RS-700	-1.06831
5083	-122.361	37.71522	1732.96703	0	0	0	RS-700	-1.02006
5084	-122.361	37.71522	1756.86761	0	0	0	RS-700	-0.90116

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5085	-122.361	37.71521	1782.90259	0	0	0	RS-700	-0.77163
5086	-122.361	37.71521	1798.73141	0	0	0	RS-700	-0.69288
5087	-122.361	37.71521	1638.74611	0	0	0	RS-700	-1.48883
5088	-122.361	37.71521	1709.76462	0	0	0	RS-700	-1.1355
5089	-122.361	37.71521	1600.42105	0	0	0	RS-700	-1.6795
5090	-122.361	37.71521	1467.47269	0	0	0	RS-700	-2.34093
5091	-122.361	37.71521	1338.14427	0	0	0	RS-700	-2.98436
5092	-122.361	37.71521	1346.17353	0	0	0	RS-700	-2.94441
5093	-122.361	37.71521	1345.36244	0	0	0	RS-700	-2.94845
5094	-122.361	37.7152	1344.09131	0	0	0	RS-700	-2.95477
5095	-122.361	37.7152	1370.20443	0	0	0	RS-700	-2.82485
5096	-122.361	37.7152	1350.65241	0	0	0	RS-700	-2.92213
5097	-122.361	37.7152	1497.47764	0	0	0	RS-700	-2.19165
5098	-122.361	37.7152	1785.36891	0	0	0	RS-700	-0.75936
5099	-122.361	37.71519	1811.46908	0	0	0	RS-700	-0.62951
5100	-122.361	37.71519	1888.87441	0	0	0	RS-700	-0.24441
5101	-122.361	37.71519	1916.01154	0	0	0	RS-700	-0.1094
5102	-122.361	37.71519	1855.67966	0	0	0	RS-700	-0.40955
5103	-122.361	37.71519	1905.77203	0	0	0	RS-700	-0.16034
5104	-122.361	37.71518	1925.59898	0	0	0	RS-700	-0.0617
5105	-122.361	37.71518	1798.72843	0	0	0	RS-700	-0.69289
5106	-122.361	37.71518	1883.29757	0	0	0	RS-700	-0.27215
5107	-122.361	37.71518	1782.81389	0	0	0	RS-700	-0.77207
5108	-122.361	37.71518	1867.48765	0	0	0	RS-700	-0.35081
5109	-122.361	37.71518	1843.74973	0	0	0	RS-700	-0.46891
5110	-122.361	37.71518	1782.63104	0	0	0	RS-700	-0.77298
5111	-122.361	37.71518	1809.93442	0	0	0	RS-700	-0.63714
5112	-122.361	37.71518	1833.01848	0	0	0	RS-700	-0.5223
5113	-122.361	37.71517	1801.82572	0	0	0	RS-700	-0.67748
5114	-122.361	37.71517	1803.37339	0	0	0	RS-700	-0.66978
5115	-122.361	37.71517	1827.49218	0	0	0	RS-700	-0.54979
5116	-122.361	37.71517	1846.66047	0	0	0	RS-700	-0.45443
5117	-122.361	37.71517	1961.1005	0	0	0	RS-700	0.114928
5118	-122.361	37.71517	1939.08119	0	0	0	RS-700	0.005379
5119	-122.361	37.71516	1911.71027	0	0	0	RS-700	-0.13079
5120	-122.361	37.71516	1873.76289	0	0	0	RS-700	-0.31959
5121	-122.361	37.71516	1954.4025	0	0	0	RS-700	0.081604
5122	-122.361	37.71516	1910.68429	0	0	0	RS-700	-0.1359
5123	-122.361	37.71516	1925.68503	0	0	0	RS-700	-0.06127
5124	-122.361	37.71516	1987.7028	0	0	0	RS-700	0.247278
5125	-122.361	37.71516	1921.49336	0	0	0	RS-700	-0.08212
5126	-122.361	37.71515	1893.84653	0	0	0	RS-700	-0.21967
5127	-122.361	37.71515	1883.48316	0	0	0	RS-700	-0.27123
5128	-122.361	37.71515	1947.89178	0	0	0	RS-700	0.049213
5129	-122.361	37.71515	1896.67361	0	0	0	RS-700	-0.2056

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5130	-122.361	37.71515	1900.68332	0	0	0	RS-700	-0.18566
5131	-122.361	37.71515	1882.8381	0	0	0	RS-700	-0.27444
5132	-122.361	37.71515	1868.57381	0	0	0	RS-700	-0.3454
5133	-122.361	37.71514	1895.29037	0	0	0	RS-700	-0.21249
5134	-122.361	37.71514	1857.66712	0	0	0	RS-700	-0.39967
5135	-122.361	37.71514	1912.06542	0	0	0	RS-700	-0.12903
5136	-122.361	37.71514	1914.25935	0	0	0	RS-700	-0.11811
5137	-122.361	37.71514	1909.29489	0	0	0	RS-700	-0.14281
5138	-122.361	37.71514	1964.28673	0	0	0	RS-700	0.13078
5139	-122.361	37.71513	1986.20685	0	0	0	RS-700	0.239835
5140	-122.361	37.71513	1941.17728	0	0	0	RS-700	0.015807
5141	-122.361	37.71513	1965.00968	0	0	0	RS-700	0.134377
5142	-122.361	37.71513	1936.39935	0	0	0	RS-700	-0.00796
5143	-122.361	37.71513	1920.38958	0	0	0	RS-700	-0.08761
5144	-122.361	37.71513	1845.66103	0	0	0	RS-700	-0.4594
5145	-122.361	37.71513	1953.59862	0	0	0	RS-700	0.077605
5146	-122.361	37.71513	1939.89931	0	0	0	RS-700	0.009449
5147	-122.361	37.71512	1864.66222	0	0	0	RS-700	-0.36486
5148	-122.361	37.71512	1867.5781	0	0	0	RS-700	-0.35036
5149	-122.361	37.71512	1885.48395	0	0	0	RS-700	-0.26127
5150	-122.361	37.71512	1923.59115	0	0	0	RS-700	-0.07169
5151	-122.361	37.71512	1866.76108	0	0	0	RS-700	-0.35442
5152	-122.361	37.71512	1877.57002	0	0	0	RS-700	-0.30065
5153	-122.361	37.71511	1894.29221	0	0	0	RS-700	-0.21745
5154	-122.361	37.71511	1899.15352	0	0	0	RS-700	-0.19327
5155	-122.361	37.71511	1951.19034	0	0	0	RS-700	0.065624
5156	-122.361	37.71511	1828.37982	0	0	0	RS-700	-0.54537
5157	-122.361	37.71511	1901.3011	0	0	0	RS-700	-0.18258
5158	-122.361	37.71511	1878.20173	0	0	0	RS-700	-0.2975
5159	-122.361	37.7151	1876.56965	0	0	0	RS-700	-0.30562
5160	-122.361	37.7151	1851.56909	0	0	0	RS-700	-0.43
5161	-122.361	37.7151	1894.58058	0	0	0	RS-700	-0.21602
5162	-122.361	37.7151	1879.40175	0	0	0	RS-700	-0.29153
5163	-122.361	37.7151	1805.36777	0	0	0	RS-700	-0.65986
5164	-122.361	37.71509	1854.93949	0	0	0	RS-700	-0.41324
5165	-122.361	37.71509	1887.05766	0	0	0	RS-700	-0.25344
5166	-122.361	37.71509	1891.57485	0	0	0	RS-700	-0.23097
5167	-122.361	37.71509	1898.15258	0	0	0	RS-700	-0.19825
5168	-122.361	37.71509	1859.55655	0	0	0	RS-700	-0.39027
5169	-122.361	37.71509	1839.74775	0	0	0	RS-700	-0.48882
5170	-122.361	37.71508	1795.46115	0	0	0	RS-700	-0.70915
5171	-122.361	37.71508	1807.19132	0	0	0	RS-700	-0.65079
5172	-122.361	37.71508	1751.80253	0	0	0	RS-700	-0.92636
5173	-122.361	37.71508	1821.01409	0	0	0	RS-700	-0.58202
5174	-122.361	37.71508	1850.47311	0	0	0	RS-700	-0.43546

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5175	-122.361	37.71507	1834.56006	0	0	0	RS-700	-0.51463
5176	-122.361	37.71507	1918.78196	0	0	0	RS-700	-0.09561
5177	-122.361	37.71507	1857.75524	0	0	0	RS-700	-0.39923
5178	-122.361	37.71507	1875.13811	0	0	0	RS-700	-0.31275
5179	-122.361	37.71507	1883.76749	0	0	0	RS-700	-0.26981
5180	-122.361	37.71506	1886.38827	0	0	0	RS-700	-0.25677
5181	-122.361	37.71506	1972.40096	0	0	0	RS-700	0.171149
5182	-122.361	37.71506	1883.77411	0	0	0	RS-700	-0.26978
5183	-122.361	37.71506	1771.81001	0	0	0	RS-700	-0.82682
5184	-122.361	37.71506	1783.28213	0	0	0	RS-700	-0.76974
5185	-122.361	37.71506	1827.56006	0	0	0	RS-700	-0.54945
5186	-122.361	37.71505	1759.45214	0	0	0	RS-700	-0.8883
5187	-122.361	37.71505	1726.53927	0	0	0	RS-700	-1.05204
5188	-122.361	37.71505	1850.29044	0	0	0	RS-700	-0.43637
5189	-122.361	37.71505	1818.82756	0	0	0	RS-700	-0.5929
5190	-122.361	37.71505	1858.37841	0	0	0	RS-700	-0.39613
5191	-122.361	37.71504	1879.67046	0	0	0	RS-700	-0.2902
5192	-122.361	37.71504	1925.88456	0	0	0	RS-700	-0.06028
5193	-122.361	37.71504	1961.50609	0	0	0	RS-700	0.116946
5194	-122.361	37.71504	1948.49803	0	0	0	RS-700	0.052229
5195	-122.361	37.71504	2015.61507	0	0	0	RS-700	0.386145
5196	-122.361	37.71503	1990.9233	0	0	0	RS-700	0.2633
5197	-122.361	37.71503	1933.39925	0	0	0	RS-700	-0.02289
5198	-122.361	37.71503	1869.98148	0	0	0	RS-700	-0.3384
5199	-122.361	37.71503	1911.96535	0	0	0	RS-700	-0.12953
5200	-122.361	37.71503	1928.78595	0	0	0	RS-700	-0.04584
5201	-122.361	37.71503	1889.58027	0	0	0	RS-700	-0.24089
5202	-122.361	37.71502	1899.85052	0	0	0	RS-700	-0.1898
5203	-122.361	37.71502	1922.68691	0	0	0	RS-700	-0.07618
5204	-122.361	37.71502	1875.8556	0	0	0	RS-700	-0.30918
5205	-122.361	37.71502	1799.64455	0	0	0	RS-700	-0.68834
5206	-122.361	37.71502	1794.28229	0	0	0	RS-700	-0.71501
5207	-122.361	37.71502	1889.86468	0	0	0	RS-700	-0.23948
5208	-122.361	37.71501	1811.79658	0	0	0	RS-700	-0.62788
5209	-122.361	37.71501	1903.38901	0	0	0	RS-700	-0.17219
5210	-122.361	37.71501	1877.3277	0	0	0	RS-700	-0.30185
5211	-122.361	37.71501	1777.64647	0	0	0	RS-700	-0.79778
5212	-122.361	37.71501	1756.54012	0	0	0	RS-700	-0.90279
5213	-122.361	37.71501	1806.55224	0	0	0	RS-700	-0.65397
5214	-122.361	37.715	1889.58567	0	0	0	RS-700	-0.24087
5215	-122.361	37.715	2038.73196	0	0	0	RS-700	0.501154
5216	-122.361	37.715	1818.56109	0	0	0	RS-700	-0.59422
5217	-122.361	37.715	1833.56168	0	0	0	RS-700	-0.51959
5218	-122.361	37.715	1739.44403	0	0	0	RS-700	-0.98784
5219	-122.361	37.715	1504.31159	0	0	0	RS-700	-2.15765

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5220	-122.361	37.71499	1412.50199	0	0	0	RS-700	-2.61442
5221	-122.361	37.71499	1150.41244	0	0	0	RS-700	-3.91835
5222	-122.361	37.71499	980.15373	0	0	0	RS-700	-4.7654
5223	-122.361	37.71499	1192.06848	0	0	0	RS-700	-3.7111
5224	-122.361	37.71499	1443.22107	0	0	0	RS-700	-2.46159
5225	-122.361	37.71499	1804.46732	0	0	0	RS-700	-0.66434
5226	-122.361	37.71498	1891.75424	0	0	0	RS-700	-0.23008
5227	-122.361	37.71498	1876.57145	0	0	0	RS-700	-0.30561
5228	-122.361	37.71498	1807.46624	0	0	0	RS-700	-0.64942
5229	-122.361	37.71498	1950.89431	0	0	0	RS-700	0.064151
5230	-122.361	37.71498	1900.57315	0	0	0	RS-700	-0.1862
5231	-122.361	37.71497	1874.75721	0	0	0	RS-700	-0.31464
5232	-122.361	37.71497	1865.85755	0	0	0	RS-700	-0.35892
5233	-122.361	37.71497	1903.57533	0	0	0	RS-700	-0.17127
5234	-122.361	37.71497	1784.99287	0	0	0	RS-700	-0.76123
5235	-122.361	37.71497	1954.8959	0	0	0	RS-700	0.084059
5236	-122.361	37.71496	1863.68181	0	0	0	RS-700	-0.36974
5237	-122.361	37.71496	1871.67499	0	0	0	RS-700	-0.32998
5238	-122.361	37.71496	1840.56595	0	0	0	RS-700	-0.48475
5239	-122.361	37.71496	1826.37927	0	0	0	RS-700	-0.55533
5240	-122.361	37.71495	1836.02331	0	0	0	RS-700	-0.50735
5241	-122.361	37.71495	1705.61684	0	0	0	RS-700	-1.15614
5242	-122.361	37.71495	1756.0814	0	0	0	RS-700	-0.90507
5243	-122.361	37.71495	1793.36999	0	0	0	RS-700	-0.71955
5244	-122.361	37.71495	1686.85924	0	0	0	RS-700	-1.24946
5245	-122.361	37.71495	1724.53035	0	0	0	RS-700	-1.06204
5246	-122.361	37.71494	1729.62699	0	0	0	RS-700	-1.03668
5247	-122.361	37.71494	1796.82462	0	0	0	RS-700	-0.70237
5248	-122.361	37.71494	1855.66079	0	0	0	RS-700	-0.40965
5249	-122.361	37.71494	1906.68132	0	0	0	RS-700	-0.15581
5250	-122.361	37.71494	1894.05224	0	0	0	RS-700	-0.21865
5251	-122.361	37.71493	1886.66479	0	0	0	RS-700	-0.2554
5252	-122.361	37.71493	1836.37975	0	0	0	RS-700	-0.50557
5253	-122.361	37.71493	1945.69186	0	0	0	RS-700	0.038268
5254	-122.361	37.71493	1847.84787	0	0	0	RS-700	-0.44852
5255	-122.361	37.71492	1879.43792	0	0	0	RS-700	-0.29135
5256	-122.361	37.71492	1992.91031	0	0	0	RS-700	0.273186
5257	-122.361	37.71492	1907.87649	0	0	0	RS-700	-0.14987
5258	-122.361	37.71492	1842.02972	0	0	0	RS-700	-0.47746
5259	-122.361	37.71492	1781.17688	0	0	0	RS-700	-0.78021
5260	-122.361	37.71491	1730.18159	0	0	0	RS-700	-1.03392
5261	-122.361	37.71491	1766.85879	0	0	0	RS-700	-0.85145
5262	-122.361	37.71491	1772.74052	0	0	0	RS-700	-0.82219
5263	-122.361	37.71491	1710.96723	0	0	0	RS-700	-1.12952
5264	-122.361	37.71491	1787.55198	0	0	0	RS-700	-0.7485

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5265	-122.361	37.7149	1930.96739	0	0	0	RS-700	-0.03499
5266	-122.361	37.7149	1945.69476	0	0	0	RS-700	0.038282
5267	-122.361	37.7149	1968.30593	0	0	0	RS-700	0.150776
5268	-122.361	37.7149	1975.6023	0	0	0	RS-700	0.187076
5269	-122.361	37.7149	1958.59984	0	0	0	RS-700	0.102487
5270	-122.361	37.71489	1963.39971	0	0	0	RS-700	0.126367
5271	-122.361	37.71489	1990.71138	0	0	0	RS-700	0.262246
5272	-122.361	37.71489	2026.52575	0	0	0	RS-700	0.440427
5273	-122.361	37.71489	2033.70584	0	0	0	RS-700	0.476148
5274	-122.361	37.71489	1973.29715	0	0	0	RS-700	0.175608
5275	-122.361	37.71488	1964.70971	0	0	0	RS-700	0.132884
5276	-122.361	37.71488	1956.60664	0	0	0	RS-700	0.09257
5277	-122.361	37.71488	1995.61525	0	0	0	RS-700	0.286643
5278	-122.361	37.71488	1959.79718	0	0	0	RS-700	0.108444
5279	-122.361	37.71488	1875.95215	0	0	0	RS-700	-0.3087
5280	-122.361	37.71488	1856.57036	0	0	0	RS-700	-0.40512
5281	-122.361	37.71487	1953.68855	0	0	0	RS-700	0.078052
5282	-122.361	37.71487	1826.65215	0	0	0	RS-700	-0.55397
5283	-122.361	37.71487	1957.99926	0	0	0	RS-700	0.099499
5284	-122.361	37.71487	1976.10502	0	0	0	RS-700	0.189577
5285	-122.361	37.71487	2000.20631	0	0	0	RS-700	0.309484
5286	-122.361	37.71486	1951.49035	0	0	0	RS-700	0.067116
5287	-122.361	37.71486	1986.80089	0	0	0	RS-700	0.24279
5288	-122.361	37.71486	1983.10468	0	0	0	RS-700	0.224401
5289	-122.361	37.71486	2052.01574	0	0	0	RS-700	0.567242
5290	-122.361	37.71486	1960.70078	0	0	0	RS-700	0.112939
5291	-122.361	37.71485	1974.41239	0	0	0	RS-700	0.181156
5292	-122.361	37.71485	2012.61993	0	0	0	RS-700	0.371243
5293	-122.361	37.71485	1935.49913	0	0	0	RS-700	-0.01244
5294	-122.361	37.71485	1918.58997	0	0	0	RS-700	-0.09657
5295	-122.361	37.71485	1910.77915	0	0	0	RS-700	-0.13543
5296	-122.361	37.71484	1981.51035	0	0	0	RS-700	0.216469
5297	-122.361	37.71484	2036.20943	0	0	0	RS-700	0.488604
5298	-122.361	37.71484	1952.60122	0	0	0	RS-700	0.072643
5299	-122.361	37.71484	1922.87791	0	0	0	RS-700	-0.07523
5300	-122.361	37.71484	2002.71704	0	0	0	RS-700	0.321975
5301	-122.361	37.71483	1842.39175	0	0	0	RS-700	-0.47566
5302	-122.361	37.71483	1972.19818	0	0	0	RS-700	0.17014
5303	-122.361	37.71483	1965.10799	0	0	0	RS-700	0.134866
5304	-122.361	37.71483	1957.69948	0	0	0	RS-700	0.098007
5305	-122.361	37.71483	2006.91734	0	0	0	RS-700	0.342872
5306	-122.361	37.71482	1944.79792	0	0	0	RS-700	0.03382
5307	-122.361	37.71482	1945.59704	0	0	0	RS-700	0.037796
5308	-122.361	37.71482	1854.78525	0	0	0	RS-700	-0.414
5309	-122.361	37.71482	1843.29592	0	0	0	RS-700	-0.47116



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5310	-122.361	37.71482	1911.60088	0	0	0	RS-700	-0.13134
5311	-122.361	37.71481	1920.30045	0	0	0	RS-700	-0.08806
5312	-122.361	37.71481	1884.19992	0	0	0	RS-700	-0.26766
5313	-122.361	37.71481	1920.87508	0	0	0	RS-700	-0.0852
5314	-122.361	37.71481	1803.73929	0	0	0	RS-700	-0.66796
5315	-122.361	37.7148	1857.38534	0	0	0	RS-700	-0.40107
5316	-122.361	37.7148	1858.8544	0	0	0	RS-700	-0.39376
5317	-122.361	37.7148	1753.53224	0	0	0	RS-700	-0.91775
5318	-122.361	37.7148	1852.55585	0	0	0	RS-700	-0.4251
5319	-122.361	37.7148	1878.66943	0	0	0	RS-700	-0.29518
5320	-122.361	37.71479	1811.29118	0	0	0	RS-700	-0.63039
5321	-122.361	37.71479	1853.74026	0	0	0	RS-700	-0.4192
5322	-122.361	37.71479	1822.46842	0	0	0	RS-700	-0.57478
5323	-122.361	37.71479	1857.66177	0	0	0	RS-700	-0.39969
5324	-122.361	37.71478	1847.21523	0	0	0	RS-700	-0.45167
5325	-122.361	37.71478	1752.62357	0	0	0	RS-700	-0.92227
5326	-122.361	37.71478	1880.39333	0	0	0	RS-700	-0.2866
5327	-122.361	37.71478	1802.55087	0	0	0	RS-700	-0.67388
5328	-122.361	37.71478	1871.76458	0	0	0	RS-700	-0.32953
5329	-122.361	37.71477	1958.30691	0	0	0	RS-700	0.101029
5330	-122.361	37.71477	1974.81004	0	0	0	RS-700	0.183135
5331	-122.361	37.71477	1994.30496	0	0	0	RS-700	0.280124
5332	-122.361	37.71476	1904.66733	0	0	0	RS-700	-0.16583
5333	-122.361	37.71476	1992.71206	0	0	0	RS-700	0.272199
5334	-122.361	37.71476	1881.67584	0	0	0	RS-700	-0.28022
5335	-122.361	37.71476	1943.69576	0	0	0	RS-700	0.028337
5336	-122.361	37.71476	1987.50879	0	0	0	RS-700	0.246312
5337	-122.361	37.71475	1947.59775	0	0	0	RS-700	0.04775
5338	-122.361	37.71475	1955.71018	0	0	0	RS-700	0.08811
5339	-122.361	37.71475	1957.89465	0	0	0	RS-700	0.098978
5340	-122.361	37.71475	1888.58061	0	0	0	RS-700	-0.24587
5341	-122.361	37.71475	1956.69938	0	0	0	RS-700	0.093032
5342	-122.361	37.71474	2000.91373	0	0	0	RS-700	0.313004
5343	-122.361	37.71474	1946.49741	0	0	0	RS-700	0.042276
5344	-122.361	37.71474	1935.40025	0	0	0	RS-700	-0.01293
5345	-122.361	37.71474	1830.65378	0	0	0	RS-700	-0.53406
5346	-122.361	37.71473	2074.35658	0	0	0	RS-700	0.678391
5347	-122.361	37.71473	1914.68664	0	0	0	RS-700	-0.11599
5348	-122.361	37.71473	1859.57603	0	0	0	RS-700	-0.39017
5349	-122.361	37.71473	1930.29892	0	0	0	RS-700	-0.03831
5350	-122.361	37.71473	1894.68617	0	0	0	RS-700	-0.21549
5351	-122.36	37.71472	1894.20325	0	0	0	RS-700	-0.21789
5352	-122.36	37.71472	1861.68843	0	0	0	RS-700	-0.37966
5353	-122.36	37.71472	1898.2007	0	0	0	RS-700	-0.19801
5354	-122.36	37.71472	1941.31275	0	0	0	RS-700	0.016481

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5355	-122.36	37.71471	1841.64508	0	0	0	RS-700	-0.47938
5356	-122.36	37.71471	1937.59582	0	0	0	RS-700	-0.00201
5357	-122.36	37.71471	1889.38982	0	0	0	RS-700	-0.24184
5358	-122.36	37.71471	1896.58351	0	0	0	RS-700	-0.20605
5359	-122.36	37.7147	1881.67095	0	0	0	RS-700	-0.28024
5360	-122.36	37.7147	1870.04056	0	0	0	RS-700	-0.33811
5361	-122.36	37.7147	1865.9416	0	0	0	RS-700	-0.3585
5362	-122.36	37.7147	1867.94837	0	0	0	RS-700	-0.34852
5363	-122.36	37.7147	1873.76284	0	0	0	RS-700	-0.31959
5364	-122.36	37.7147	1880.57905	0	0	0	RS-700	-0.28568
5365	-122.36	37.7147	1974.80864	0	0	0	RS-700	0.183128
5366	-122.36	37.7147	1784.90286	0	0	0	RS-700	-0.76168
5367	-122.36	37.7147	1904.49744	0	0	0	RS-700	-0.16668
5368	-122.36	37.7147	1968.50125	0	0	0	RS-700	0.151748
5369	-122.36	37.7147	1927.97679	0	0	0	RS-700	-0.04987
5370	-122.36	37.7147	1898.95863	0	0	0	RS-700	-0.19424
5371	-122.36	37.7147	1897.39102	0	0	0	RS-700	-0.20203
5372	-122.36	37.7147	1899.11309	0	0	0	RS-700	-0.19347
5373	-122.36	37.7147	1927.07487	0	0	0	RS-700	-0.05435
5374	-122.36	37.71469	1933.69369	0	0	0	RS-700	-0.02142
5375	-122.36	37.71469	1912.6867	0	0	0	RS-700	-0.12594
5376	-122.36	37.71469	1902.58336	0	0	0	RS-700	-0.1762
5377	-122.36	37.71469	1857.47867	0	0	0	RS-700	-0.4006
5378	-122.36	37.71469	1904.49065	0	0	0	RS-700	-0.16671
5379	-122.36	37.71468	1880.58213	0	0	0	RS-700	-0.28566
5380	-122.36	37.71468	1865.38512	0	0	0	RS-700	-0.36127
5381	-122.36	37.71468	1840.65759	0	0	0	RS-700	-0.48429
5382	-122.36	37.71468	1882.33197	0	0	0	RS-700	-0.27696
5383	-122.36	37.71468	1898.67938	0	0	0	RS-700	-0.19562
5384	-122.36	37.71467	1843.66203	0	0	0	RS-700	-0.46934
5385	-122.36	37.71467	1830.65432	0	0	0	RS-700	-0.53406
5386	-122.36	37.71467	1846.4815	0	0	0	RS-700	-0.45532
5387	-122.36	37.71467	1891.66992	0	0	0	RS-700	-0.2305
5388	-122.36	37.71466	1801.71998	0	0	0	RS-700	-0.67801
5389	-122.36	37.71466	1826.37697	0	0	0	RS-700	-0.55534
5390	-122.36	37.71466	1766.63372	0	0	0	RS-700	-0.85257
5391	-122.36	37.71466	1777.3677	0	0	0	RS-700	-0.79917
5392	-122.36	37.71466	1895.58298	0	0	0	RS-700	-0.21103
5393	-122.36	37.71465	1755.19124	0	0	0	RS-700	-0.9095
5394	-122.36	37.71465	1780.72575	0	0	0	RS-700	-0.78246
5395	-122.36	37.71465	1856.57406	0	0	0	RS-700	-0.4051
5396	-122.36	37.71465	1849.84162	0	0	0	RS-700	-0.4386
5397	-122.36	37.71465	1879.57736	0	0	0	RS-700	-0.29066
5398	-122.36	37.71464	1948.7998	0	0	0	RS-700	0.05373
5399	-122.36	37.71464	1928.5918	0	0	0	RS-700	-0.04681

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5400	-122.36	37.71464	1896.96891	0	0	0	RS-700	-0.20413
5401	-122.36	37.71464	1843.39294	0	0	0	RS-700	-0.47068
5402	-122.36	37.71464	1895.48907	0	0	0	RS-700	-0.2115
5403	-122.36	37.71463	1821.37506	0	0	0	RS-700	-0.58022
5404	-122.36	37.71463	1866.39315	0	0	0	RS-700	-0.35625
5405	-122.36	37.71463	1878.4834	0	0	0	RS-700	-0.2961
5406	-122.36	37.71463	1852.56917	0	0	0	RS-700	-0.42503
5407	-122.36	37.71463	1856.75572	0	0	0	RS-700	-0.4042
5408	-122.36	37.71463	1876.58628	0	0	0	RS-700	-0.30554
5409	-122.36	37.71463	1896.20234	0	0	0	RS-700	-0.20795
5410	-122.36	37.71463	1854.46528	0	0	0	RS-700	-0.4156
5411	-122.36	37.71463	1848.03361	0	0	0	RS-700	-0.44759
5412	-122.36	37.71462	1853.94071	0	0	0	RS-700	-0.41821
5413	-122.36	37.71462	1730.62844	0	0	0	RS-700	-1.0317
5414	-122.36	37.71462	1879.67218	0	0	0	RS-700	-0.29019
5415	-122.36	37.71462	1858.39486	0	0	0	RS-700	-0.39605
5416	-122.36	37.71462	1744.55306	0	0	0	RS-700	-0.96242
5417	-122.36	37.71462	1729.62143	0	0	0	RS-700	-1.03671
5418	-122.36	37.71462	1684.33858	0	0	0	RS-700	-1.262
5419	-122.36	37.71462	1653.26146	0	0	0	RS-700	-1.41661
5420	-122.36	37.71462	1755.97518	0	0	0	RS-700	-0.9056
5421	-122.36	37.71462	1743.45319	0	0	0	RS-700	-0.96789
5422	-122.36	37.71462	1743.35733	0	0	0	RS-700	-0.96837
5423	-122.36	37.71462	1720.61339	0	0	0	RS-700	-1.08153
5424	-122.36	37.71462	1739.6194	0	0	0	RS-700	-0.98697
5425	-122.36	37.71461	1747.62413	0	0	0	RS-700	-0.94714
5426	-122.36	37.71461	1733.88185	0	0	0	RS-700	-1.01551
5427	-122.36	37.71461	1840.37571	0	0	0	RS-700	-0.48569
5428	-122.36	37.71461	1862.65781	0	0	0	RS-700	-0.37484
5429	-122.36	37.7146	1818.46835	0	0	0	RS-700	-0.59468
5430	-122.36	37.7146	1957.70229	0	0	0	RS-700	0.098021
5431	-122.36	37.7146	1837.83944	0	0	0	RS-700	-0.49831
5432	-122.36	37.7146	1878.85636	0	0	0	RS-700	-0.29425
5433	-122.36	37.7146	1837.74099	0	0	0	RS-700	-0.4988
5434	-122.36	37.7146	1928.4988	0	0	0	RS-700	-0.04727
5435	-122.36	37.7146	1867.02253	0	0	0	RS-700	-0.35312
5436	-122.36	37.71459	1828.92725	0	0	0	RS-700	-0.54265
5437	-122.36	37.71459	1912.87248	0	0	0	RS-700	-0.12501
5438	-122.36	37.71459	1963.70042	0	0	0	RS-700	0.127863
5439	-122.36	37.71459	1943.58225	0	0	0	RS-700	0.027772
5440	-122.36	37.71459	1984.91439	0	0	0	RS-700	0.233405
5441	-122.36	37.71458	1881.57503	0	0	0	RS-700	-0.28072
5442	-122.36	37.71458	1910.68251	0	0	0	RS-700	-0.13591
5443	-122.36	37.71458	1962.60174	0	0	0	RS-700	0.122397
5444	-122.36	37.71458	1978.90517	0	0	0	RS-700	0.203508

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5445	-122.36	37.71457	1866.84939	0	0	0	RS-700	-0.35398
5446	-122.36	37.71457	1819.83074	0	0	0	RS-700	-0.58791
5447	-122.36	37.71457	1857.287	0	0	0	RS-700	-0.40156
5448	-122.36	37.71457	1813.00688	0	0	0	RS-700	-0.62186
5449	-122.36	37.71456	1805.00345	0	0	0	RS-700	-0.66167
5450	-122.36	37.71456	1896.59996	0	0	0	RS-700	-0.20597
5451	-122.36	37.71456	1825.37092	0	0	0	RS-700	-0.56034
5452	-122.36	37.71456	1872.85224	0	0	0	RS-700	-0.32412
5453	-122.36	37.71456	1735.53724	0	0	0	RS-700	-1.00728
5454	-122.36	37.71456	1872.47793	0	0	0	RS-700	-0.32598
5455	-122.36	37.71455	1847.02633	0	0	0	RS-700	-0.45261
5456	-122.36	37.71455	1827.47592	0	0	0	RS-700	-0.54987
5457	-122.36	37.71455	1835.63951	0	0	0	RS-700	-0.50926
5458	-122.36	37.71455	1784.90497	0	0	0	RS-700	-0.76167
5459	-122.36	37.71455	1843.8475	0	0	0	RS-700	-0.46842
5460	-122.36	37.71455	1820.56114	0	0	0	RS-700	-0.58427
5461	-122.36	37.71455	1865.57177	0	0	0	RS-700	-0.36034
5462	-122.36	37.71455	1882.4825	0	0	0	RS-700	-0.27621
5463	-122.36	37.71455	1832.64912	0	0	0	RS-700	-0.52413
5464	-122.36	37.71455	1795.73388	0	0	0	RS-700	-0.70779
5465	-122.36	37.71455	1839.47426	0	0	0	RS-700	-0.49018
5466	-122.36	37.71455	1803.73562	0	0	0	RS-700	-0.66798
5467	-122.36	37.71455	1873.7818	0	0	0	RS-700	-0.31949
5468	-122.36	37.71455	1818.74147	0	0	0	RS-700	-0.59333
5469	-122.36	37.71455	1801.47	0	0	0	RS-700	-0.67925
5470	-122.36	37.71455	1946.69761	0	0	0	RS-700	0.043272
5471	-122.36	37.71455	1942.701	0	0	0	RS-700	0.023388
5472	-122.36	37.71455	1829.64685	0	0	0	RS-700	-0.53907
5473	-122.36	37.71455	1835.57103	0	0	0	RS-700	-0.5096
5474	-122.36	37.71455	1878.38388	0	0	0	RS-700	-0.2966
5475	-122.36	37.71455	1812.63374	0	0	0	RS-700	-0.62371
5476	-122.36	37.71455	1887.95121	0	0	0	RS-700	-0.249
5477	-122.36	37.71455	1871.56685	0	0	0	RS-700	-0.33051
5478	-122.36	37.71454	1900.86717	0	0	0	RS-700	-0.18474
5479	-122.36	37.71454	1947.56999	0	0	0	RS-700	0.047612
5480	-122.36	37.71454	1887.23816	0	0	0	RS-700	-0.25255
5481	-122.36	37.71454	1884.57077	0	0	0	RS-700	-0.26582
5482	-122.36	37.71454	1893.39767	0	0	0	RS-700	-0.2219
5483	-122.36	37.71454	1874.57913	0	0	0	RS-700	-0.31553
5484	-122.36	37.71453	1877.66879	0	0	0	RS-700	-0.30016
5485	-122.36	37.71453	1879.76371	0	0	0	RS-700	-0.28973
5486	-122.36	37.71453	1832.47187	0	0	0	RS-700	-0.52502
5487	-122.36	37.71453	1873.76994	0	0	0	RS-700	-0.31955
5488	-122.36	37.71452	1910.48925	0	0	0	RS-700	-0.13687
5489	-122.36	37.71452	1898.48482	0	0	0	RS-700	-0.19659

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5490	-122.36	37.71452	1877.67664	0	0	0	RS-700	-0.30012
5491	-122.36	37.71452	1939.49551	0	0	0	RS-700	0.00744
5492	-122.36	37.71452	1931.88524	0	0	0	RS-700	-0.03042
5493	-122.36	37.71451	1866.48606	0	0	0	RS-700	-0.35579
5494	-122.36	37.71451	1940.2988	0	0	0	RS-700	0.011437
5495	-122.36	37.71451	1800.48196	0	0	0	RS-700	-0.68417
5496	-122.36	37.71451	1828.74539	0	0	0	RS-700	-0.54356
5497	-122.36	37.7145	1903.58175	0	0	0	RS-700	-0.17124
5498	-122.36	37.7145	1891.76225	0	0	0	RS-700	-0.23004
5499	-122.36	37.7145	1786.6386	0	0	0	RS-700	-0.75304
5500	-122.36	37.7145	1856.47791	0	0	0	RS-700	-0.40558
5501	-122.36	37.7145	1771.54343	0	0	0	RS-700	-0.82814
5502	-122.36	37.71449	1874.29233	0	0	0	RS-700	-0.31695
5503	-122.36	37.71449	1929.39848	0	0	0	RS-700	-0.04279
5504	-122.36	37.71449	1863.84814	0	0	0	RS-700	-0.36891
5505	-122.36	37.71449	1835.6583	0	0	0	RS-700	-0.50916
5506	-122.36	37.71449	1827.46546	0	0	0	RS-700	-0.54992
5507	-122.36	37.71448	1824.46907	0	0	0	RS-700	-0.56483
5508	-122.36	37.71448	1874.87305	0	0	0	RS-700	-0.31406
5509	-122.36	37.71448	1859.94358	0	0	0	RS-700	-0.38834
5510	-122.36	37.71448	1836.28772	0	0	0	RS-700	-0.50603
5511	-122.36	37.71448	1857.03112	0	0	0	RS-700	-0.40283
5512	-122.36	37.71447	1765.99506	0	0	0	RS-700	-0.85575
5513	-122.36	37.71447	1737.35901	0	0	0	RS-700	-0.99821
5514	-122.36	37.71447	1788.46342	0	0	0	RS-700	-0.74396
5515	-122.36	37.71447	1942.4664	0	0	0	RS-700	0.022221
5516	-122.36	37.71446	1816.28771	0	0	0	RS-700	-0.60553
5517	-122.36	37.71446	1854.47387	0	0	0	RS-700	-0.41555
5518	-122.36	37.71446	1784.64037	0	0	0	RS-700	-0.76298
5519	-122.36	37.71446	1816.65106	0	0	0	RS-700	-0.60373
5520	-122.36	37.71446	1746.80133	0	0	0	RS-700	-0.95124
5521	-122.36	37.71445	1831.46152	0	0	0	RS-700	-0.53004
5522	-122.36	37.71445	1808.65832	0	0	0	RS-700	-0.64349
5523	-122.36	37.71445	1864.22873	0	0	0	RS-700	-0.36702
5524	-122.36	37.71445	1815.64079	0	0	0	RS-700	-0.60875
5525	-122.36	37.71445	1771.72194	0	0	0	RS-700	-0.82725
5526	-122.36	37.71444	1803.47029	0	0	0	RS-700	-0.6693
5527	-122.36	37.71444	1747.44836	0	0	0	RS-700	-0.94802
5528	-122.36	37.71444	1802.00275	0	0	0	RS-700	-0.6766
5529	-122.36	37.71444	1800.82162	0	0	0	RS-700	-0.68248
5530	-122.36	37.71444	1796.73224	0	0	0	RS-700	-0.70282
5531	-122.36	37.71443	1771.72627	0	0	0	RS-700	-0.82723
5532	-122.36	37.71443	1805.74288	0	0	0	RS-700	-0.658
5533	-122.36	37.71443	1870.12988	0	0	0	RS-700	-0.33766
5534	-122.36	37.71443	1898.58356	0	0	0	RS-700	-0.1961

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5535	-122.36	37.71443	1825.74263	0	0	0	RS-700	-0.55849
5536	-122.36	37.71443	1903.67973	0	0	0	RS-700	-0.17075
5537	-122.36	37.71443	1862.29678	0	0	0	RS-700	-0.37663
5538	-122.36	37.71443	1906.38484	0	0	0	RS-700	-0.15729
5539	-122.36	37.71442	1841.37879	0	0	0	RS-700	-0.4807
5540	-122.36	37.71442	1860.48514	0	0	0	RS-700	-0.38565
5541	-122.36	37.71442	1859.285	0	0	0	RS-700	-0.39162
5542	-122.36	37.71442	1868.04427	0	0	0	RS-700	-0.34804
5543	-122.36	37.71442	1835.67036	0	0	0	RS-700	-0.5091
5544	-122.36	37.71442	1881.4869	0	0	0	RS-700	-0.28116
5545	-122.36	37.71442	1832.37842	0	0	0	RS-700	-0.52548
5546	-122.36	37.71443	1869.66734	0	0	0	RS-700	-0.33996
5547	-122.36	37.71443	1861.47812	0	0	0	RS-700	-0.38071
5548	-122.36	37.71443	1835.19542	0	0	0	RS-700	-0.51147
5549	-122.36	37.71443	1817.01395	0	0	0	RS-700	-0.60192
5550	-122.36	37.71444	1825.8317	0	0	0	RS-700	-0.55805
5551	-122.36	37.71444	1813.65892	0	0	0	RS-700	-0.61861
5552	-122.36	37.71444	1804.28645	0	0	0	RS-700	-0.66524
5553	-122.36	37.71444	1833.37783	0	0	0	RS-700	-0.52051
5554	-122.36	37.71444	1735.53427	0	0	0	RS-700	-1.00729
5555	-122.36	37.71444	1726.52886	0	0	0	RS-700	-1.0521
5556	-122.36	37.71445	1801.80633	0	0	0	RS-700	-0.67758
5557	-122.36	37.71445	1809.2691	0	0	0	RS-700	-0.64045
5558	-122.36	37.71445	1772.63599	0	0	0	RS-700	-0.82271
5559	-122.36	37.71445	1799.56383	0	0	0	RS-700	-0.68874
5560	-122.36	37.71445	1676.51497	0	0	0	RS-700	-1.30092
5561	-122.36	37.71446	1802.85135	0	0	0	RS-700	-0.67238
5562	-122.36	37.71446	1807.91761	0	0	0	RS-700	-0.64718
5563	-122.36	37.71445	1806.0022	0	0	0	RS-700	-0.65671
5564	-122.36	37.71445	1770.80988	0	0	0	RS-700	-0.83179
5565	-122.36	37.71445	1745.18541	0	0	0	RS-700	-0.95928
5566	-122.36	37.71444	1809.47242	0	0	0	RS-700	-0.63944
5567	-122.36	37.71445	1768.80399	0	0	0	RS-700	-0.84177
5568	-122.36	37.71444	1832.01744	0	0	0	RS-700	-0.52728
5569	-122.36	37.71444	1818.83034	0	0	0	RS-700	-0.59288
5570	-122.36	37.71444	1875.22828	0	0	0	RS-700	-0.3123
5571	-122.36	37.71445	1789.63585	0	0	0	RS-700	-0.73813
5572	-122.36	37.71445	1825.02633	0	0	0	RS-700	-0.56206
5573	-122.36	37.71445	1815.56135	0	0	0	RS-700	-0.60915
5574	-122.36	37.71445	1838.47293	0	0	0	RS-700	-0.49516
5575	-122.36	37.71445	1780.54681	0	0	0	RS-700	-0.78335
5576	-122.36	37.71445	1703.77589	0	0	0	RS-700	-1.16529
5577	-122.36	37.71446	1747.44888	0	0	0	RS-700	-0.94802
5578	-122.36	37.71446	1817.01362	0	0	0	RS-700	-0.60192
5579	-122.36	37.71446	1843.38413	0	0	0	RS-700	-0.47073

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5580	-122.36	37.71446	1860.05136	0	0	0	RS-700	-0.3878
5581	-122.36	37.71446	1799.26676	0	0	0	RS-700	-0.69022
5582	-122.36	37.71446	1753.74798	0	0	0	RS-700	-0.91668
5583	-122.36	37.71447	1770.63222	0	0	0	RS-700	-0.83268
5584	-122.36	37.71447	1746.98231	0	0	0	RS-700	-0.95034
5585	-122.36	37.71447	1761.7164	0	0	0	RS-700	-0.87703
5586	-122.36	37.71447	1692.9483	0	0	0	RS-700	-1.21916
5587	-122.36	37.71447	1738.44186	0	0	0	RS-700	-0.99283
5588	-122.36	37.71447	1698.61653	0	0	0	RS-700	-1.19096
5589	-122.36	37.71448	1756.3856	0	0	0	RS-700	-0.90355
5590	-122.36	37.71448	1799.92136	0	0	0	RS-700	-0.68696
5591	-122.36	37.71448	1779.55161	0	0	0	RS-700	-0.7883
5592	-122.36	37.71448	1814.64447	0	0	0	RS-700	-0.61371
5593	-122.36	37.71448	1802.82455	0	0	0	RS-700	-0.67251
5594	-122.36	37.71448	1826.56125	0	0	0	RS-700	-0.55442
5595	-122.36	37.71448	1766.83588	0	0	0	RS-700	-0.85156
5596	-122.36	37.71449	1842.56645	0	0	0	RS-700	-0.47479
5597	-122.36	37.71449	1822.46827	0	0	0	RS-700	-0.57478
5598	-122.36	37.71449	1750.53789	0	0	0	RS-700	-0.93265
5599	-122.36	37.71449	1806.38108	0	0	0	RS-700	-0.65482
5600	-122.36	37.7145	1804.82622	0	0	0	RS-700	-0.66256
5601	-122.36	37.71449	1812.91933	0	0	0	RS-700	-0.62229
5602	-122.36	37.71449	1829.58356	0	0	0	RS-700	-0.53939
5603	-122.36	37.7145	1860.47222	0	0	0	RS-700	-0.38571
5604	-122.36	37.7145	1748.71346	0	0	0	RS-700	-0.94172
5605	-122.36	37.7145	1866.13396	0	0	0	RS-700	-0.35754
5606	-122.36	37.71451	1829.73847	0	0	0	RS-700	-0.53861
5607	-122.36	37.71451	1833.75879	0	0	0	RS-700	-0.51861
5608	-122.36	37.71451	1893.49111	0	0	0	RS-700	-0.22144
5609	-122.36	37.7145	1828.55792	0	0	0	RS-700	-0.54449
5610	-122.36	37.71451	1840.935	0	0	0	RS-700	-0.48291
5611	-122.36	37.71451	1827.28889	0	0	0	RS-700	-0.5508
5612	-122.36	37.71451	1828.37814	0	0	0	RS-700	-0.54538
5613	-122.36	37.71451	1821.83344	0	0	0	RS-700	-0.57794
5614	-122.36	37.71451	1839.37955	0	0	0	RS-700	-0.49065
5615	-122.36	37.7145	1839.84428	0	0	0	RS-700	-0.48834
5616	-122.36	37.7145	1804.46533	0	0	0	RS-700	-0.66435
5617	-122.36	37.7145	1777.65077	0	0	0	RS-700	-0.79776
5618	-122.36	37.71451	1775.36228	0	0	0	RS-700	-0.80914
5619	-122.36	37.71451	1909.39475	0	0	0	RS-700	-0.14231
5620	-122.36	37.71451	1829.75557	0	0	0	RS-700	-0.53853
5621	-122.36	37.71451	1876.57552	0	0	0	RS-700	-0.30559
5622	-122.36	37.71451	1825.7484	0	0	0	RS-700	-0.55847
5623	-122.36	37.71451	1879.6725	0	0	0	RS-700	-0.29019
5624	-122.36	37.71452	1912.77053	0	0	0	RS-700	-0.12552

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5625	-122.36	37.71452	1857.38381	0	0	0	RS-700	-0.40108
5626	-122.36	37.71452	1832.49775	0	0	0	RS-700	-0.52489
5627	-122.36	37.71452	1828.74383	0	0	0	RS-700	-0.54356
5628	-122.36	37.71453	1869.38373	0	0	0	RS-700	-0.34137
5629	-122.36	37.71452	1815.73935	0	0	0	RS-700	-0.60826
5630	-122.36	37.71452	1795.82494	0	0	0	RS-700	-0.70734
5631	-122.36	37.71452	1837.75661	0	0	0	RS-700	-0.49872
5632	-122.36	37.71453	1895.59132	0	0	0	RS-700	-0.21099
5633	-122.36	37.71453	1898.7726	0	0	0	RS-700	-0.19516
5634	-122.36	37.71453	1941.69026	0	0	0	RS-700	0.01836
5635	-122.36	37.71453	1870.30021	0	0	0	RS-700	-0.33681
5636	-122.36	37.71453	1855.38454	0	0	0	RS-700	-0.41102
5637	-122.36	37.71454	1927.49367	0	0	0	RS-700	-0.05227
5638	-122.36	37.71454	1849.19697	0	0	0	RS-700	-0.44181
5639	-122.36	37.71454	1906.68187	0	0	0	RS-700	-0.15581
5640	-122.36	37.71454	1928.59431	0	0	0	RS-700	-0.04679
5641	-122.36	37.71454	1830.11169	0	0	0	RS-700	-0.53676
5642	-122.36	37.71454	1847.47107	0	0	0	RS-700	-0.45039
5643	-122.36	37.71455	1913.77525	0	0	0	RS-700	-0.12052
5644	-122.36	37.71455	1797.64403	0	0	0	RS-700	-0.69829
5645	-122.36	37.71455	1837.76706	0	0	0	RS-700	-0.49867
5646	-122.36	37.71456	1824.46678	0	0	0	RS-700	-0.56484
5647	-122.36	37.71456	1911.67831	0	0	0	RS-700	-0.13095
5648	-122.36	37.71456	1833.11808	0	0	0	RS-700	-0.5218
5649	-122.36	37.71455	1800.546	0	0	0	RS-700	-0.68385
5650	-122.36	37.71456	1843.29349	0	0	0	RS-700	-0.47118
5651	-122.36	37.71456	1871.94989	0	0	0	RS-700	-0.32861
5652	-122.36	37.71456	1826.46863	0	0	0	RS-700	-0.55488
5653	-122.36	37.71456	1802.82265	0	0	0	RS-700	-0.67252
5654	-122.36	37.71456	1811.4656	0	0	0	RS-700	-0.62952
5655	-122.36	37.71456	1814.37641	0	0	0	RS-700	-0.61504
5656	-122.36	37.71457	1748.71265	0	0	0	RS-700	-0.94173
5657	-122.36	37.71457	1808.73896	0	0	0	RS-700	-0.64309
5658	-122.36	37.71457	1761.36432	0	0	0	RS-700	-0.87878
5659	-122.36	37.71457	1802.54529	0	0	0	RS-700	-0.6739
5660	-122.36	37.71457	1783.7193	0	0	0	RS-700	-0.76757
5661	-122.36	37.71457	1735.45221	0	0	0	RS-700	-1.0077
5662	-122.36	37.71457	1784.91946	0	0	0	RS-700	-0.76159
5663	-122.36	37.71458	1720.26267	0	0	0	RS-700	-1.08327
5664	-122.36	37.71458	1837.28053	0	0	0	RS-700	-0.50109
5665	-122.36	37.71458	1803.3712	0	0	0	RS-700	-0.6698
5666	-122.36	37.71457	1804.76175	0	0	0	RS-700	-0.66288
5667	-122.36	37.71457	1837.47299	0	0	0	RS-700	-0.50013
5668	-122.36	37.71457	1786.36937	0	0	0	RS-700	-0.75438
5669	-122.36	37.71457	1797.64182	0	0	0	RS-700	-0.6983



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5670	-122.36	37.71457	1838.66134	0	0	0	RS-700	-0.49422
5671	-122.36	37.71457	1787.10446	0	0	0	RS-700	-0.75072
5672	-122.36	37.71457	1808.57282	0	0	0	RS-700	-0.64392
5673	-122.36	37.71457	1816.93438	0	0	0	RS-700	-0.60232
5674	-122.36	37.71457	1886.5812	0	0	0	RS-700	-0.25581
5675	-122.36	37.71458	1775.72051	0	0	0	RS-700	-0.80736
5676	-122.36	37.71458	1827.37798	0	0	0	RS-700	-0.55036
5677	-122.36	37.71458	1740.23473	0	0	0	RS-700	-0.98391
5678	-122.36	37.71458	1754.81089	0	0	0	RS-700	-0.91139
5679	-122.36	37.71458	1848.75242	0	0	0	RS-700	-0.44402
5680	-122.36	37.71458	1810.46187	0	0	0	RS-700	-0.63452
5681	-122.36	37.71458	1801.28897	0	0	0	RS-700	-0.68015
5682	-122.36	37.71458	1759.98358	0	0	0	RS-700	-0.88565
5683	-122.36	37.71458	1846.56743	0	0	0	RS-700	-0.45489
5684	-122.36	37.71458	1854.28246	0	0	0	RS-700	-0.41651
5685	-122.36	37.71458	1738.97954	0	0	0	RS-700	-0.99015
5686	-122.36	37.71458	1844.8343	0	0	0	RS-700	-0.46351
5687	-122.36	37.71458	1837.74491	0	0	0	RS-700	-0.49878
5688	-122.36	37.71458	1840.84004	0	0	0	RS-700	-0.48338
5689	-122.36	37.71458	1758.187	0	0	0	RS-700	-0.89459
5690	-122.36	37.71458	1809.64405	0	0	0	RS-700	-0.63859
5691	-122.36	37.71458	1855.85019	0	0	0	RS-700	-0.40871
5692	-122.36	37.71458	1872.57628	0	0	0	RS-700	-0.32549
5693	-122.36	37.71458	1838.4719	0	0	0	RS-700	-0.49516
5694	-122.36	37.71458	1894.67395	0	0	0	RS-700	-0.21555
5695	-122.36	37.71458	1879.96029	0	0	0	RS-700	-0.28875
5696	-122.36	37.71458	1924.68732	0	0	0	RS-700	-0.06623
5697	-122.36	37.71458	1788.07684	0	0	0	RS-700	-0.74589
5698	-122.36	37.71457	1804.73324	0	0	0	RS-700	-0.66302
5699	-122.36	37.71458	1860.94469	0	0	0	RS-700	-0.38336
5700	-122.36	37.71458	1765.71928	0	0	0	RS-700	-0.85712
5701	-122.36	37.71457	1883.76639	0	0	0	RS-700	-0.26982
5702	-122.36	37.71458	1865.48309	0	0	0	RS-700	-0.36078
5703	-122.36	37.71458	1940.8846	0	0	0	RS-700	0.014351
5704	-122.36	37.71458	1857.94331	0	0	0	RS-700	-0.39829
5705	-122.36	37.71458	1904.77878	0	0	0	RS-700	-0.16528
5706	-122.36	37.71458	1904.78215	0	0	0	RS-700	-0.16526
5707	-122.36	37.71459	1939.4963	0	0	0	RS-700	0.007444
5708	-122.36	37.71459	1903.29913	0	0	0	RS-700	-0.17264
5709	-122.36	37.71459	1904.29343	0	0	0	RS-700	-0.16769
5710	-122.36	37.71459	1972.60673	0	0	0	RS-700	0.172173
5711	-122.36	37.7146	1892.38392	0	0	0	RS-700	-0.22695
5712	-122.36	37.7146	1885.57185	0	0	0	RS-700	-0.26084
5713	-122.36	37.7146	1968.99873	0	0	0	RS-700	0.154223
5714	-122.36	37.7146	1984.71101	0	0	0	RS-700	0.232393

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5715	-122.36	37.7146	1943.53617	0	0	0	RS-700	0.027543
5716	-122.36	37.7146	1937.88431	0	0	0	RS-700	-0.00058
5717	-122.36	37.7146	1870.56872	0	0	0	RS-700	-0.33548
5718	-122.36	37.7146	1810.10121	0	0	0	RS-700	-0.63631
5719	-122.36	37.71461	1769.89431	0	0	0	RS-700	-0.83635
5720	-122.36	37.71461	1758.97498	0	0	0	RS-700	-0.89067
5721	-122.36	37.71461	1802.54808	0	0	0	RS-700	-0.67389
5722	-122.36	37.71461	1750.6256	0	0	0	RS-700	-0.93221
5723	-122.36	37.71461	1759.36975	0	0	0	RS-700	-0.88871
5724	-122.36	37.71462	1739.80273	0	0	0	RS-700	-0.98606
5725	-122.36	37.71462	1726.26623	0	0	0	RS-700	-1.0534
5726	-122.36	37.71462	1711.52385	0	0	0	RS-700	-1.12675
5727	-122.36	37.71462	1736.71616	0	0	0	RS-700	-1.00141
5728	-122.36	37.71462	1773.4386	0	0	0	RS-700	-0.81871
5729	-122.36	37.71463	1760.36399	0	0	0	RS-700	-0.88376
5730	-122.36	37.71462	1660.51084	0	0	0	RS-700	-1.38054
5731	-122.36	37.71462	1818.19917	0	0	0	RS-700	-0.59602
5732	-122.36	37.71463	1792.99767	0	0	0	RS-700	-0.7214
5733	-122.36	37.71463	1749.62632	0	0	0	RS-700	-0.93718
5734	-122.36	37.71463	1797.46652	0	0	0	RS-700	-0.69917
5735	-122.36	37.71463	1891.37729	0	0	0	RS-700	-0.23195
5736	-122.36	37.71463	1928.78558	0	0	0	RS-700	-0.04584
5737	-122.36	37.71463	1836.56967	0	0	0	RS-700	-0.50463
5738	-122.36	37.71463	1906.39036	0	0	0	RS-700	-0.15726
5739	-122.36	37.71463	1861.57665	0	0	0	RS-700	-0.38022
5740	-122.36	37.71463	1842.75156	0	0	0	RS-700	-0.47387
5741	-122.36	37.71463	1851.56946	0	0	0	RS-700	-0.43
5742	-122.36	37.71463	1753.71531	0	0	0	RS-700	-0.91684
5743	-122.36	37.71464	1875.95132	0	0	0	RS-700	-0.3087
5744	-122.36	37.71464	1921.07274	0	0	0	RS-700	-0.08422
5745	-122.36	37.71464	1956.40392	0	0	0	RS-700	0.091562
5746	-122.36	37.71464	2005.11773	0	0	0	RS-700	0.333919
5747	-122.36	37.71464	1915.58763	0	0	0	RS-700	-0.1115
5748	-122.36	37.71464	1892.77825	0	0	0	RS-700	-0.22498
5749	-122.36	37.71464	1875.38912	0	0	0	RS-700	-0.3115
5750	-122.36	37.71465	1896.77338	0	0	0	RS-700	-0.20511
5751	-122.36	37.71465	1935.78726	0	0	0	RS-700	-0.01101
5752	-122.36	37.71465	1948.79501	0	0	0	RS-700	0.053707
5753	-122.36	37.71465	1873.76124	0	0	0	RS-700	-0.3196
5754	-122.36	37.71465	1937.77735	0	0	0	RS-700	-0.00111
5755	-122.36	37.71466	1816.28629	0	0	0	RS-700	-0.60554
5756	-122.36	37.71466	1792.45183	0	0	0	RS-700	-0.72412
5757	-122.36	37.71466	1864.49441	0	0	0	RS-700	-0.3657
5758	-122.36	37.71466	1759.89188	0	0	0	RS-700	-0.88611
5759	-122.36	37.71466	1822.65178	0	0	0	RS-700	-0.57387

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5760	-122.36	37.71466	1788.55531	0	0	0	RS-700	-0.74351
5761	-122.36	37.71467	1833.37377	0	0	0	RS-700	-0.52053
5762	-122.36	37.71467	1810.64958	0	0	0	RS-700	-0.63358
5763	-122.36	37.71467	1835.74685	0	0	0	RS-700	-0.50872
5764	-122.36	37.71467	1841.93414	0	0	0	RS-700	-0.47794
5765	-122.36	37.71467	1801.28161	0	0	0	RS-700	-0.68019
5766	-122.36	37.71467	1905.68116	0	0	0	RS-700	-0.16079
5767	-122.36	37.71467	1845.47026	0	0	0	RS-700	-0.46035
5768	-122.36	37.71468	1862.37973	0	0	0	RS-700	-0.37622
5769	-122.36	37.71468	1958.09665	0	0	0	RS-700	0.099983
5770	-122.36	37.71468	1862.04373	0	0	0	RS-700	-0.37789
5771	-122.36	37.71468	1895.86602	0	0	0	RS-700	-0.20962
5772	-122.36	37.71468	1875.76697	0	0	0	RS-700	-0.30962
5773	-122.36	37.71468	1907.20531	0	0	0	RS-700	-0.15321
5774	-122.36	37.71468	1986.50837	0	0	0	RS-700	0.241335
5775	-122.36	37.71468	1861.57432	0	0	0	RS-700	-0.38023
5776	-122.36	37.71468	1866.66344	0	0	0	RS-700	-0.35491
5777	-122.36	37.71468	1939.4054	0	0	0	RS-700	0.006992
5778	-122.36	37.71468	1938.69427	0	0	0	RS-700	0.003454
5779	-122.36	37.71468	1873.29296	0	0	0	RS-700	-0.32193
5780	-122.36	37.71468	1960.09014	0	0	0	RS-700	0.109901
5781	-122.36	37.71468	1993.30992	0	0	0	RS-700	0.275174
5782	-122.36	37.71468	1894.96638	0	0	0	RS-700	-0.2141
5783	-122.36	37.71468	1938.96848	0	0	0	RS-700	0.004818
5784	-122.36	37.71468	1929.78438	0	0	0	RS-700	-0.04087
5785	-122.36	37.71468	1871.6687	0	0	0	RS-700	-0.33001
5786	-122.36	37.71469	1902.66704	0	0	0	RS-700	-0.17579
5787	-122.36	37.71469	1923.78948	0	0	0	RS-700	-0.0707
5788	-122.36	37.71469	1920.88329	0	0	0	RS-700	-0.08516
5789	-122.36	37.71469	1887.85814	0	0	0	RS-700	-0.24946
5790	-122.36	37.71469	1857.03596	0	0	0	RS-700	-0.40281
5791	-122.36	37.71469	1879.67219	0	0	0	RS-700	-0.29019
5792	-122.36	37.71469	1904.67788	0	0	0	RS-700	-0.16578
5793	-122.36	37.71469	1876.85879	0	0	0	RS-700	-0.30419
5794	-122.36	37.71469	1914.68655	0	0	0	RS-700	-0.11599
5795	-122.36	37.71469	1847.75304	0	0	0	RS-700	-0.44899
5796	-122.36	37.71469	1925.16889	0	0	0	RS-700	-0.06384
5797	-122.36	37.71469	1910.58613	0	0	0	RS-700	-0.13639
5798	-122.36	37.71469	1926.78553	0	0	0	RS-700	-0.05579
5799	-122.36	37.71469	1943.08606	0	0	0	RS-700	0.025304
5800	-122.36	37.71469	1893.1604	0	0	0	RS-700	-0.22308
5801	-122.36	37.71469	1869.94515	0	0	0	RS-700	-0.33858
5802	-122.36	37.71469	1828.7447	0	0	0	RS-700	-0.54356
5803	-122.36	37.71469	1922.97669	0	0	0	RS-700	-0.07474
5804	-122.36	37.71469	1804.55561	0	0	0	RS-700	-0.6639

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5805	-122.36	37.71469	1881.05093	0	0	0	RS-700	-0.28333
5806	-122.36	37.71469	1913.96937	0	0	0	RS-700	-0.11956
5807	-122.36	37.71469	1887.58007	0	0	0	RS-700	-0.25085
5808	-122.36	37.71469	1951.60594	0	0	0	RS-700	0.067691
5809	-122.36	37.71469	1895.30468	0	0	0	RS-700	-0.21241
5810	-122.36	37.71469	1873.48386	0	0	0	RS-700	-0.32098
5811	-122.36	37.71469	1896.29629	0	0	0	RS-700	-0.20748
5812	-122.36	37.7147	1865.86817	0	0	0	RS-700	-0.35886
5813	-122.36	37.7147	1876.55905	0	0	0	RS-700	-0.30568
5814	-122.36	37.7147	1922.39985	0	0	0	RS-700	-0.07761
5815	-122.36	37.7147	1900.39288	0	0	0	RS-700	-0.1871
5816	-122.36	37.7147	1918.87416	0	0	0	RS-700	-0.09515
5817	-122.36	37.7147	1973.30983	0	0	0	RS-700	0.175671
5818	-122.36	37.71471	1927.07792	0	0	0	RS-700	-0.05434
5819	-122.36	37.71471	1835.55722	0	0	0	RS-700	-0.50967
5820	-122.36	37.71471	1864.85415	0	0	0	RS-700	-0.36391
5821	-122.36	37.71471	1965.60409	0	0	0	RS-700	0.137334
5822	-122.36	37.71471	1866.75454	0	0	0	RS-700	-0.35446
5823	-122.36	37.71472	1849.93822	0	0	0	RS-700	-0.43812
5824	-122.36	37.71472	1825.1965	0	0	0	RS-700	-0.56121
5825	-122.36	37.71472	1785.09967	0	0	0	RS-700	-0.7607
5826	-122.36	37.71472	1853.28712	0	0	0	RS-700	-0.42146
5827	-122.36	37.71472	1941.98354	0	0	0	RS-700	0.019819
5828	-122.36	37.71472	1932.50232	0	0	0	RS-700	-0.02735
5829	-122.36	37.71473	1970.90894	0	0	0	RS-700	0.163726
5830	-122.36	37.71473	1931.49802	0	0	0	RS-700	-0.03235
5831	-122.36	37.71473	1877.86341	0	0	0	RS-700	-0.29919
5832	-122.361	37.71473	1966.60156	0	0	0	RS-700	0.142296
5833	-122.361	37.71474	1947.30157	0	0	0	RS-700	0.046276
5834	-122.361	37.71474	1933.40124	0	0	0	RS-700	-0.02288
5835	-122.361	37.71474	1973.62049	0	0	0	RS-700	0.177216
5836	-122.361	37.71474	2025.92006	0	0	0	RS-700	0.437413
5837	-122.361	37.71474	1945.59803	0	0	0	RS-700	0.037801
5838	-122.361	37.71474	1876.76558	0	0	0	RS-700	-0.30465
5839	-122.361	37.71475	1891.86152	0	0	0	RS-700	-0.22954
5840	-122.361	37.71475	1932.69088	0	0	0	RS-700	-0.02641
5841	-122.361	37.71475	1923.59207	0	0	0	RS-700	-0.07168
5842	-122.361	37.71475	1896.77201	0	0	0	RS-700	-0.20511
5843	-122.361	37.71475	1946.98673	0	0	0	RS-700	0.04471
5844	-122.361	37.71476	1892.39222	0	0	0	RS-700	-0.2269
5845	-122.361	37.71476	1907.68195	0	0	0	RS-700	-0.15084
5846	-122.361	37.71476	1956.99256	0	0	0	RS-700	0.09449
5847	-122.361	37.71476	1854.03852	0	0	0	RS-700	-0.41772
5848	-122.361	37.71476	1850.12106	0	0	0	RS-700	-0.43721
5849	-122.361	37.71477	1920.79659	0	0	0	RS-700	-0.08559

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5850	-122.361	37.71477	1928.39875	0	0	0	RS-700	-0.04777
5851	-122.361	37.71477	1911.06653	0	0	0	RS-700	-0.134
5852	-122.361	37.71477	1919.95339	0	0	0	RS-700	-0.08978
5853	-122.361	37.71478	1946.18431	0	0	0	RS-700	0.040718
5854	-122.361	37.71478	1861.22219	0	0	0	RS-700	-0.38198
5855	-122.361	37.71478	1864.22659	0	0	0	RS-700	-0.36703
5856	-122.361	37.71478	1941.69402	0	0	0	RS-700	0.018378
5857	-122.361	37.71479	1816.46395	0	0	0	RS-700	-0.60466
5858	-122.361	37.71479	1787.36628	0	0	0	RS-700	-0.74942
5859	-122.361	37.7148	1921.48845	0	0	0	RS-700	-0.08215
5860	-122.361	37.7148	1831.28677	0	0	0	RS-700	-0.53091
5861	-122.361	37.7148	1891.86989	0	0	0	RS-700	-0.2295
5862	-122.361	37.7148	1769.63319	0	0	0	RS-700	-0.83765
5863	-122.361	37.7148	1814.56242	0	0	0	RS-700	-0.61412
5864	-122.361	37.71481	1832.56405	0	0	0	RS-700	-0.52456
5865	-122.361	37.71481	1796.09991	0	0	0	RS-700	-0.70597
5866	-122.361	37.71481	1815.28416	0	0	0	RS-700	-0.61053
5867	-122.361	37.71481	1892.48642	0	0	0	RS-700	-0.22644
5868	-122.361	37.71481	1924.77938	0	0	0	RS-700	-0.06577
5869	-122.361	37.71482	1870.32723	0	0	0	RS-700	-0.33668
5870	-122.361	37.71482	1810.917	0	0	0	RS-700	-0.63225
5871	-122.361	37.71482	1957.90876	0	0	0	RS-700	0.099049
5872	-122.361	37.71482	1885.56369	0	0	0	RS-700	-0.26088
5873	-122.361	37.71482	1936.07573	0	0	0	RS-700	-0.00957
5874	-122.361	37.71483	1877.67453	0	0	0	RS-700	-0.30013
5875	-122.361	37.71483	1936.9894	0	0	0	RS-700	-0.00503
5876	-122.361	37.71483	1849.56881	0	0	0	RS-700	-0.43996
5877	-122.361	37.71483	1978.72279	0	0	0	RS-700	0.202601
5878	-122.361	37.71483	1865.03759	0	0	0	RS-700	-0.363
5879	-122.361	37.71484	1872.85134	0	0	0	RS-700	-0.32412
5880	-122.361	37.71484	1948.70141	0	0	0	RS-700	0.053241
5881	-122.361	37.71484	1934.98536	0	0	0	RS-700	-0.015
5882	-122.361	37.71484	1934.78983	0	0	0	RS-700	-0.01597
5883	-122.361	37.71484	1932.78743	0	0	0	RS-700	-0.02593
5884	-122.361	37.71485	1943.08596	0	0	0	RS-700	0.025303
5885	-122.361	37.71485	1988.71913	0	0	0	RS-700	0.252334
5886	-122.361	37.71485	2011.91936	0	0	0	RS-700	0.367758
5887	-122.361	37.71485	1963.70141	0	0	0	RS-700	0.127868
5888	-122.361	37.71485	2054.52765	0	0	0	RS-700	0.57974
5889	-122.361	37.71486	1912.59622	0	0	0	RS-700	-0.12639
5890	-122.361	37.71486	1914.27893	0	0	0	RS-700	-0.11802
5891	-122.361	37.71486	1943.4066	0	0	0	RS-700	0.026899
5892	-122.361	37.71486	1969.40577	0	0	0	RS-700	0.156248
5893	-122.361	37.71486	1913.89351	0	0	0	RS-700	-0.11993
5894	-122.361	37.71486	1923.2641	0	0	0	RS-700	-0.07331

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5895	-122.361	37.71486	1963.60557	0	0	0	RS-700	0.127391
5896	-122.361	37.71486	2041.13786	0	0	0	RS-700	0.513124
5897	-122.361	37.71486	1999.6202	0	0	0	RS-700	0.306568
5898	-122.361	37.71486	1980.60875	0	0	0	RS-700	0.211984
5899	-122.361	37.71486	1990.10871	0	0	0	RS-700	0.259247
5900	-122.361	37.71487	2049.42488	0	0	0	RS-700	0.554353
5901	-122.361	37.71487	2004.20857	0	0	0	RS-700	0.329396
5902	-122.361	37.71487	1977.70854	0	0	0	RS-700	0.197555
5903	-122.361	37.71487	1994.33552	0	0	0	RS-700	0.280276
5904	-122.361	37.71487	1983.8087	0	0	0	RS-700	0.227904
5905	-122.361	37.71488	1948.70122	0	0	0	RS-700	0.05324
5906	-122.361	37.71488	2017.62085	0	0	0	RS-700	0.396124
5907	-122.361	37.71488	1990.61067	0	0	0	RS-700	0.261745
5908	-122.361	37.71488	2101.27628	0	0	0	RS-700	0.81232
5909	-122.361	37.71489	2021.72516	0	0	0	RS-700	0.416543
5910	-122.361	37.71489	1985.81004	0	0	0	RS-700	0.237861
5911	-122.361	37.71489	2028.6173	0	0	0	RS-700	0.450832
5912	-122.361	37.71489	2086.36857	0	0	0	RS-700	0.738152
5913	-122.361	37.71489	1944.87786	0	0	0	RS-700	0.034218
5914	-122.361	37.71489	1957.60256	0	0	0	RS-700	0.097525
5915	-122.361	37.71489	2063.03386	0	0	0	RS-700	0.622059
5916	-122.361	37.71489	1993.71191	0	0	0	RS-700	0.277174
5917	-122.361	37.71489	1956.82961	0	0	0	RS-700	0.09368
5918	-122.361	37.71489	2001.81753	0	0	0	RS-700	0.3175
5919	-122.361	37.71489	1946.59408	0	0	0	RS-700	0.042757
5920	-122.361	37.71489	2071.94736	0	0	0	RS-700	0.666405
5921	-122.361	37.7149	2076.4288	0	0	0	RS-700	0.6887
5922	-122.361	37.7149	1989.31094	0	0	0	RS-700	0.255278
5923	-122.361	37.7149	1966.90827	0	0	0	RS-700	0.143822
5924	-122.361	37.7149	2038.13346	0	0	0	RS-700	0.498176
5925	-122.361	37.71491	2093.54122	0	0	0	RS-700	0.773837
5926	-122.361	37.71491	2117.2852	0	0	0	RS-700	0.891966
5927	-122.361	37.71491	2099.27373	0	0	0	RS-700	0.802357
5928	-122.361	37.71491	2120.53947	0	0	0	RS-700	0.908157
5929	-122.361	37.71492	2145.65956	0	0	0	RS-700	1.033132
5930	-122.361	37.71492	2080.1211	0	0	0	RS-700	0.70707
5931	-122.361	37.71492	2140.6203	0	0	0	RS-700	1.008061
5932	-122.361	37.71492	1966.70512	0	0	0	RS-700	0.142812
5933	-122.361	37.71492	2061.9452	0	0	0	RS-700	0.616643
5934	-122.361	37.71492	2104.64692	0	0	0	RS-700	0.829089
5935	-122.361	37.71492	2089.06271	0	0	0	RS-700	0.751556
5936	-122.361	37.71492	2117.9636	0	0	0	RS-700	0.895341
5937	-122.361	37.71492	2035.62566	0	0	0	RS-700	0.4857
5938	-122.361	37.71492	2026.63331	0	0	0	RS-700	0.440962
5939	-122.361	37.71492	2019.62576	0	0	0	RS-700	0.406098

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5940	-122.361	37.71492	2035.34051	0	0	0	RS-700	0.484281
5941	-122.361	37.71492	2026.17184	0	0	0	RS-700	0.438666
5942	-122.361	37.71492	2097.88421	0	0	0	RS-700	0.795444
5943	-122.361	37.71492	2037.62544	0	0	0	RS-700	0.495649
5944	-122.361	37.71492	2063.62724	0	0	0	RS-700	0.625011
5945	-122.361	37.71492	2063.9696	0	0	0	RS-700	0.626714
5946	-122.361	37.71492	1971.18612	0	0	0	RS-700	0.165105
5947	-122.361	37.71492	2021.93068	0	0	0	RS-700	0.417566
5948	-122.361	37.71492	2131.75911	0	0	0	RS-700	0.963976
5949	-122.361	37.71492	2075.42546	0	0	0	RS-700	0.683709
5950	-122.361	37.71492	1951.89587	0	0	0	RS-700	0.069134
5951	-122.361	37.71492	2055.22266	0	0	0	RS-700	0.583197
5952	-122.361	37.71492	2075.51827	0	0	0	RS-700	0.68417
5953	-122.361	37.71492	2112.06888	0	0	0	RS-700	0.866014
5954	-122.361	37.71492	1966.70141	0	0	0	RS-700	0.142793
5955	-122.361	37.71492	2030.94023	0	0	0	RS-700	0.462389
5956	-122.361	37.71492	2002.51652	0	0	0	RS-700	0.320978
5957	-122.361	37.71492	2016.00706	0	0	0	RS-700	0.388095
5958	-122.361	37.71492	1996.80361	0	0	0	RS-700	0.292555
5959	-122.361	37.71493	1959.30511	0	0	0	RS-700	0.105996
5960	-122.361	37.71492	1969.70221	0	0	0	RS-700	0.157722
5961	-122.361	37.71492	1865.75992	0	0	0	RS-700	-0.3594
5962	-122.361	37.71493	1965.40574	0	0	0	RS-700	0.136347
5963	-122.361	37.71493	1944.49745	0	0	0	RS-700	0.032326
5964	-122.361	37.71493	2000.80924	0	0	0	RS-700	0.312484
5965	-122.361	37.71493	1948.49826	0	0	0	RS-700	0.05223
5966	-122.361	37.71494	2003.81966	0	0	0	RS-700	0.327461
5967	-122.361	37.71494	1974.69999	0	0	0	RS-700	0.182587
5968	-122.361	37.71495	1910.58838	0	0	0	RS-700	-0.13638
5969	-122.361	37.71495	1913.30211	0	0	0	RS-700	-0.12288
5970	-122.361	37.71495	2040.83196	0	0	0	RS-700	0.511602
5971	-122.361	37.71495	1877.57312	0	0	0	RS-700	-0.30063
5972	-122.361	37.71496	1867.48275	0	0	0	RS-700	-0.35083
5973	-122.361	37.71496	1914.88797	0	0	0	RS-700	-0.11499
5974	-122.361	37.71496	1840.37609	0	0	0	RS-700	-0.48569
5975	-122.361	37.71496	1881.75877	0	0	0	RS-700	-0.27981
5976	-122.361	37.71496	1793.55952	0	0	0	RS-700	-0.71861
5977	-122.361	37.71496	1772.45341	0	0	0	RS-700	-0.82361
5978	-122.361	37.71496	1803.66323	0	0	0	RS-700	-0.66834
5979	-122.361	37.71496	1882.48232	0	0	0	RS-700	-0.27621
5980	-122.361	37.71497	1847.94187	0	0	0	RS-700	-0.44805
5981	-122.361	37.71497	1893.05744	0	0	0	RS-700	-0.22359
5982	-122.361	37.71497	1853.93594	0	0	0	RS-700	-0.41823
5983	-122.361	37.71498	1866.38627	0	0	0	RS-700	-0.35629
5984	-122.361	37.71498	1894.57451	0	0	0	RS-700	-0.21605

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
5985	-122.361	37.71498	1865.0584	0	0	0	RS-700	-0.36289
5986	-122.361	37.71498	1860.55876	0	0	0	RS-700	-0.38528
5987	-122.361	37.71498	1848.56748	0	0	0	RS-700	-0.44494
5988	-122.361	37.71499	1829.47104	0	0	0	RS-700	-0.53995
5989	-122.361	37.71499	1837.21001	0	0	0	RS-700	-0.50144
5990	-122.361	37.71499	1865.9465	0	0	0	RS-700	-0.35848
5991	-122.361	37.71499	1779.54266	0	0	0	RS-700	-0.78834
5992	-122.361	37.715	1810.19237	0	0	0	RS-700	-0.63586
5993	-122.361	37.715	1789.18978	0	0	0	RS-700	-0.74035
5994	-122.361	37.715	1882.86296	0	0	0	RS-700	-0.27431
5995	-122.361	37.715	1591.47762	0	0	0	RS-700	-1.72399
5996	-122.361	37.715	1252.25885	0	0	0	RS-700	-3.41165
5997	-122.361	37.71501	1106.39014	0	0	0	RS-700	-4.13736
5998	-122.361	37.71501	1081.22359	0	0	0	RS-700	-4.26257
5999	-122.361	37.71501	1079.33429	0	0	0	RS-700	-4.27197
6000	-122.361	37.71501	1155.00806	0	0	0	RS-700	-3.89548
6001	-122.361	37.71501	1061.00684	0	0	0	RS-700	-4.36315
6002	-122.361	37.71501	1404.43418	0	0	0	RS-700	-2.65456
6003	-122.361	37.71501	1679.34749	0	0	0	RS-700	-1.28683
6004	-122.361	37.71501	1729.52822	0	0	0	RS-700	-1.03717
6005	-122.361	37.71502	1809.46455	0	0	0	RS-700	-0.63948
6006	-122.361	37.71502	1754.72297	0	0	0	RS-700	-0.91183
6007	-122.361	37.71502	1753.53402	0	0	0	RS-700	-0.91774
6008	-122.361	37.71502	1707.61341	0	0	0	RS-700	-1.1462
6009	-122.361	37.71502	1777.36933	0	0	0	RS-700	-0.79916
6010	-122.361	37.71503	1922.88249	0	0	0	RS-700	-0.07521
6011	-122.361	37.71503	1819.02542	0	0	0	RS-700	-0.59191
6012	-122.361	37.71503	1791.63842	0	0	0	RS-700	-0.72817
6013	-122.361	37.71503	1873.29343	0	0	0	RS-700	-0.32192
6014	-122.361	37.71504	1891.57424	0	0	0	RS-700	-0.23097
6015	-122.361	37.71504	1794.4617	0	0	0	RS-700	-0.71412
6016	-122.361	37.71504	1852.56874	0	0	0	RS-700	-0.42503
6017	-122.361	37.71504	1913.38858	0	0	0	RS-700	-0.12244
6018	-122.361	37.71504	1900.7789	0	0	0	RS-700	-0.18518
6019	-122.361	37.71504	1886.76472	0	0	0	RS-700	-0.2549
6020	-122.361	37.71505	1927.39917	0	0	0	RS-700	-0.05274
6021	-122.361	37.71505	1896.39031	0	0	0	RS-700	-0.20701
6022	-122.361	37.71505	1937.50165	0	0	0	RS-700	-0.00248
6023	-122.361	37.71505	1972.70386	0	0	0	RS-700	0.172656
6024	-122.361	37.71505	1930.69304	0	0	0	RS-700	-0.03635
6025	-122.361	37.71506	1884.20143	0	0	0	RS-700	-0.26765
6026	-122.361	37.71506	1915.99174	0	0	0	RS-700	-0.10949
6027	-122.361	37.71506	1932.49666	0	0	0	RS-700	-0.02738
6028	-122.361	37.71506	1880.76636	0	0	0	RS-700	-0.28474
6029	-122.361	37.71506	1833.37906	0	0	0	RS-700	-0.5205



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6030	-122.361	37.71507	1897.78437	0	0	0	RS-700	-0.20008
6031	-122.361	37.71507	1895.06489	0	0	0	RS-700	-0.21361
6032	-122.361	37.71507	1923.16801	0	0	0	RS-700	-0.07379
6033	-122.361	37.71507	1860.03609	0	0	0	RS-700	-0.38788
6034	-122.361	37.71508	1840.7611	0	0	0	RS-700	-0.48378
6035	-122.361	37.71508	1898.3932	0	0	0	RS-700	-0.19705
6036	-122.361	37.71508	1843.7507	0	0	0	RS-700	-0.4689
6037	-122.361	37.71508	1858.86051	0	0	0	RS-700	-0.39373
6038	-122.361	37.71509	1834.84412	0	0	0	RS-700	-0.51321
6039	-122.361	37.71509	1901.11165	0	0	0	RS-700	-0.18352
6040	-122.361	37.71509	1835.9323	0	0	0	RS-700	-0.5078
6041	-122.361	37.71509	1762.45584	0	0	0	RS-700	-0.87335
6042	-122.361	37.7151	1846.19515	0	0	0	RS-700	-0.45674
6043	-122.361	37.7151	1869.76161	0	0	0	RS-700	-0.33949
6044	-122.361	37.7151	1943.90149	0	0	0	RS-700	0.029361
6045	-122.361	37.7151	1924.69395	0	0	0	RS-700	-0.0662
6046	-122.361	37.71511	1918.4928	0	0	0	RS-700	-0.09705
6047	-122.361	37.71511	1927.8921	0	0	0	RS-700	-0.05029
6048	-122.361	37.71511	1858.67744	0	0	0	RS-700	-0.39464
6049	-122.361	37.71511	1834.37139	0	0	0	RS-700	-0.51557
6050	-122.361	37.71512	1937.41093	0	0	0	RS-700	-0.00293
6051	-122.361	37.71512	1949.05952	0	0	0	RS-700	0.055022
6052	-122.361	37.71512	1968.51529	0	0	0	RS-700	0.151817
6053	-122.361	37.71512	1866.78224	0	0	0	RS-700	-0.35432
6054	-122.361	37.71513	1961.40555	0	0	0	RS-700	0.116446
6055	-122.361	37.71513	1863.03933	0	0	0	RS-700	-0.37294
6056	-122.361	37.71513	1874.57682	0	0	0	RS-700	-0.31554
6057	-122.361	37.71513	1942.08223	0	0	0	RS-700	0.02031
6058	-122.361	37.71514	1930.0696	0	0	0	RS-700	-0.03945
6059	-122.361	37.71514	1861.4797	0	0	0	RS-700	-0.3807
6060	-122.361	37.71514	1893.34015	0	0	0	RS-700	-0.22219
6061	-122.361	37.71514	1994.72322	0	0	0	RS-700	0.282205
6062	-122.361	37.71515	1949.40815	0	0	0	RS-700	0.056757
6063	-122.361	37.71515	1969.90242	0	0	0	RS-700	0.158719
6064	-122.361	37.71515	1995.21099	0	0	0	RS-700	0.284632
6065	-122.361	37.71515	1900.7727	0	0	0	RS-700	-0.18521
6066	-122.361	37.71515	2001.71752	0	0	0	RS-700	0.317003
6067	-122.361	37.71516	1893.39484	0	0	0	RS-700	-0.22192
6068	-122.361	37.71516	1865.84611	0	0	0	RS-700	-0.35897
6069	-122.361	37.71516	1997.70914	0	0	0	RS-700	0.29706
6070	-122.361	37.71516	1901.58502	0	0	0	RS-700	-0.18117
6071	-122.361	37.71516	1930.30626	0	0	0	RS-700	-0.03828
6072	-122.361	37.71517	1913.48499	0	0	0	RS-700	-0.12197
6073	-122.361	37.71517	1940.49826	0	0	0	RS-700	0.012429
6074	-122.361	37.71517	1916.5948	0	0	0	RS-700	-0.10649

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6075	-122.361	37.71518	1981.00032	0	0	0	RS-700	0.213932
6076	-122.361	37.71518	1857.66712	0	0	0	RS-700	-0.39967
6077	-122.361	37.71518	1910.77825	0	0	0	RS-700	-0.13543
6078	-122.361	37.71518	1831.474	0	0	0	RS-700	-0.52998
6079	-122.361	37.71519	1762.62943	0	0	0	RS-700	-0.87249
6080	-122.361	37.71519	1808.91697	0	0	0	RS-700	-0.6422
6081	-122.361	37.71519	1802.91361	0	0	0	RS-700	-0.67207
6082	-122.361	37.71519	1848.38339	0	0	0	RS-700	-0.44585
6083	-122.361	37.7152	1854.94074	0	0	0	RS-700	-0.41323
6084	-122.361	37.7152	1856.47863	0	0	0	RS-700	-0.40558
6085	-122.361	37.7152	1851.12579	0	0	0	RS-700	-0.43221
6086	-122.361	37.7152	1845.5681	0	0	0	RS-700	-0.45986
6087	-122.361	37.71521	1950.41007	0	0	0	RS-700	0.061742
6088	-122.361	37.71521	1841.56509	0	0	0	RS-700	-0.47978
6089	-122.361	37.71521	1908.20248	0	0	0	RS-700	-0.14825
6090	-122.361	37.71521	1877.67398	0	0	0	RS-700	-0.30013
6091	-122.361	37.71521	1896.87902	0	0	0	RS-700	-0.20458
6092	-122.361	37.71522	1857.66803	0	0	0	RS-700	-0.39966
6093	-122.361	37.71522	1823.1969	0	0	0	RS-700	-0.57116
6094	-122.361	37.71522	1845.47706	0	0	0	RS-700	-0.46031
6095	-122.361	37.71522	1701.78091	0	0	0	RS-700	-1.17522
6096	-122.361	37.71522	1790.45574	0	0	0	RS-700	-0.73405
6097	-122.361	37.71522	1712.26504	0	0	0	RS-700	-1.12306
6098	-122.361	37.71522	1719.61352	0	0	0	RS-700	-1.0865
6099	-122.361	37.71523	1707.52216	0	0	0	RS-700	-1.14666
6100	-122.361	37.71523	1822.56017	0	0	0	RS-700	-0.57433
6101	-122.361	37.71523	1767.54341	0	0	0	RS-700	-0.84804
6102	-122.361	37.71523	1772.63538	0	0	0	RS-700	-0.82271
6103	-122.361	37.71523	1813.7373	0	0	0	RS-700	-0.61822
6104	-122.361	37.71524	1757.44984	0	0	0	RS-700	-0.89826
6105	-122.361	37.71524	1747.72207	0	0	0	RS-700	-0.94666
6106	-122.361	37.71524	1729.27341	0	0	0	RS-700	-1.03844
6107	-122.361	37.71524	1735.54537	0	0	0	RS-700	-1.00724
6108	-122.361	37.71525	1713.87168	0	0	0	RS-700	-1.11507
6109	-122.361	37.71525	1790.46065	0	0	0	RS-700	-0.73403
6110	-122.361	37.71525	1770.63399	0	0	0	RS-700	-0.83267
6111	-122.361	37.71525	1796.19503	0	0	0	RS-700	-0.7055
6112	-122.361	37.71526	1819.65001	0	0	0	RS-700	-0.58881
6113	-122.361	37.71526	1881.76685	0	0	0	RS-700	-0.27977
6114	-122.361	37.71526	1868.29737	0	0	0	RS-700	-0.34678
6115	-122.361	37.71526	1823.46829	0	0	0	RS-700	-0.56981
6116	-122.361	37.71527	1752.62608	0	0	0	RS-700	-0.92226
6117	-122.361	37.71527	1888.67564	0	0	0	RS-700	-0.24539
6118	-122.361	37.71527	1861.39216	0	0	0	RS-700	-0.38113
6119	-122.361	37.71528	1764.53687	0	0	0	RS-700	-0.863

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6120	-122.361	37.71528	1790.46769	0	0	0	RS-700	-0.73399
6121	-122.361	37.71528	1817.28208	0	0	0	RS-700	-0.60059
6122	-122.361	37.71528	1841.66564	0	0	0	RS-700	-0.47928
6123	-122.361	37.71528	1771.54374	0	0	0	RS-700	-0.82814
6124	-122.361	37.71529	1742.53753	0	0	0	RS-700	-0.97245
6125	-122.361	37.71529	1771.27964	0	0	0	RS-700	-0.82945
6126	-122.361	37.71529	1873.29583	0	0	0	RS-700	-0.32191
6127	-122.361	37.71529	1922.49729	0	0	0	RS-700	-0.07713
6128	-122.361	37.71529	1832.56381	0	0	0	RS-700	-0.52456
6129	-122.361	37.71529	1849.57175	0	0	0	RS-700	-0.43994
6130	-122.361	37.7153	1832.73381	0	0	0	RS-700	-0.52371
6131	-122.361	37.7153	1828.19326	0	0	0	RS-700	-0.5463
6132	-122.361	37.7153	1827.47097	0	0	0	RS-700	-0.5499
6133	-122.361	37.7153	1786.27775	0	0	0	RS-700	-0.75484
6134	-122.361	37.7153	1826.83323	0	0	0	RS-700	-0.55307
6135	-122.361	37.71531	1745.27475	0	0	0	RS-700	-0.95883
6136	-122.361	37.71531	1779.63492	0	0	0	RS-700	-0.78789
6137	-122.361	37.71531	1841.3802	0	0	0	RS-700	-0.4807
6138	-122.361	37.71531	1822.12237	0	0	0	RS-700	-0.57651
6139	-122.361	37.71531	1907.40738	0	0	0	RS-700	-0.1522
6140	-122.361	37.71532	1833.83522	0	0	0	RS-700	-0.51823
6141	-122.361	37.71532	1826.3798	0	0	0	RS-700	-0.55532
6142	-122.361	37.71532	1831.74084	0	0	0	RS-700	-0.52865
6143	-122.361	37.71532	1753.97365	0	0	0	RS-700	-0.91555
6144	-122.361	37.71532	1847.7482	0	0	0	RS-700	-0.44901
6145	-122.361	37.71532	1885.58534	0	0	0	RS-700	-0.26077
6146	-122.362	37.71533	1812.28602	0	0	0	RS-700	-0.62544
6147	-122.362	37.71533	1923.96951	0	0	0	RS-700	-0.0698
6148	-122.362	37.71533	1791.64442	0	0	0	RS-700	-0.72814
6149	-122.362	37.71533	1859.38431	0	0	0	RS-700	-0.39112
6150	-122.362	37.71533	1739.62519	0	0	0	RS-700	-0.98694
6151	-122.362	37.71534	1838.84497	0	0	0	RS-700	-0.49331
6152	-122.362	37.71534	1813.3754	0	0	0	RS-700	-0.62002
6153	-122.362	37.71534	1785.36985	0	0	0	RS-700	-0.75935
6154	-122.362	37.71534	1762.71867	0	0	0	RS-700	-0.87205
6155	-122.362	37.71534	1767.63215	0	0	0	RS-700	-0.8476
6156	-122.362	37.71535	1783.63779	0	0	0	RS-700	-0.76797
6157	-122.362	37.71535	1727.35649	0	0	0	RS-700	-1.04798
6158	-122.362	37.71535	1728.7894	0	0	0	RS-700	-1.04085
6159	-122.362	37.71535	1804.55424	0	0	0	RS-700	-0.66391
6160	-122.362	37.71535	1878.95433	0	0	0	RS-700	-0.29376
6161	-122.362	37.71536	1829.93949	0	0	0	RS-700	-0.53761
6162	-122.362	37.71536	1777.54697	0	0	0	RS-700	-0.79827
6163	-122.362	37.71536	1829.74483	0	0	0	RS-700	-0.53858
6164	-122.362	37.71536	1865.86875	0	0	0	RS-700	-0.35886

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6165	-122.362	37.71536	1854.40084	0	0	0	RS-700	-0.41592
6166	-122.362	37.71537	1922.78399	0	0	0	RS-700	-0.0757
6167	-122.362	37.71537	1789.72689	0	0	0	RS-700	-0.73768
6168	-122.362	37.71537	1808.46522	0	0	0	RS-700	-0.64445
6169	-122.362	37.71537	1818.74046	0	0	0	RS-700	-0.59333
6170	-122.362	37.71537	2044.51832	0	0	0	RS-700	0.529942
6171	-122.362	37.71538	1953.49844	0	0	0	RS-700	0.077107
6172	-122.362	37.71538	1978.71277	0	0	0	RS-700	0.202551
6173	-122.362	37.71538	1900.6765	0	0	0	RS-700	-0.18569
6174	-122.362	37.71538	1957.99094	0	0	0	RS-700	0.099457
6175	-122.362	37.71538	1907.93505	0	0	0	RS-700	-0.14958
6176	-122.362	37.71539	1913.68197	0	0	0	RS-700	-0.12099
6177	-122.362	37.71539	1972.80403	0	0	0	RS-700	0.173154
6178	-122.362	37.71539	1901.35907	0	0	0	RS-700	-0.18229
6179	-122.362	37.71539	1912.58376	0	0	0	RS-700	-0.12645
6180	-122.362	37.71539	1834.74575	0	0	0	RS-700	-0.5137
6181	-122.362	37.7154	1943.79187	0	0	0	RS-700	0.028815
6182	-122.362	37.7154	1818.37507	0	0	0	RS-700	-0.59515
6183	-122.362	37.7154	1911.78003	0	0	0	RS-700	-0.13045
6184	-122.362	37.7154	1956.38857	0	0	0	RS-700	0.091485
6185	-122.362	37.7154	1857.4729	0	0	0	RS-700	-0.40063
6186	-122.362	37.71541	1913.68506	0	0	0	RS-700	-0.12097
6187	-122.362	37.71541	1872.94894	0	0	0	RS-700	-0.32364
6188	-122.362	37.71541	1930.36612	0	0	0	RS-700	-0.03798
6189	-122.362	37.71541	1948.40278	0	0	0	RS-700	0.051755
6190	-122.362	37.71542	1976.39846	0	0	0	RS-700	0.191037
6191	-122.362	37.71542	1882.38853	0	0	0	RS-700	-0.27667
6192	-122.362	37.71542	1959.29469	0	0	0	RS-700	0.105944
6193	-122.362	37.71542	1928.59674	0	0	0	RS-700	-0.04678
6194	-122.362	37.71542	1912.8708	0	0	0	RS-700	-0.12502
6195	-122.362	37.71543	1917.47761	0	0	0	RS-700	-0.1021
6196	-122.362	37.71543	1930.77492	0	0	0	RS-700	-0.03595
6197	-122.362	37.71543	1925.08846	0	0	0	RS-700	-0.06424
6198	-122.362	37.71543	2002.21262	0	0	0	RS-700	0.319466
6199	-122.362	37.71543	1910.78455	0	0	0	RS-700	-0.1354
6200	-122.362	37.71544	2024.62298	0	0	0	RS-700	0.43096
6201	-122.362	37.71544	1958.79732	0	0	0	RS-700	0.103469
6202	-122.362	37.71544	1879.57799	0	0	0	RS-700	-0.29066
6203	-122.362	37.71544	1942.69382	0	0	0	RS-700	0.023352
6204	-122.362	37.71544	1883.78146	0	0	0	RS-700	-0.26974
6205	-122.362	37.71544	1845.64528	0	0	0	RS-700	-0.45948
6206	-122.362	37.71545	1944.50274	0	0	0	RS-700	0.032352
6207	-122.362	37.71545	1930.08354	0	0	0	RS-700	-0.03939
6208	-122.362	37.71545	1850.85546	0	0	0	RS-700	-0.43355
6209	-122.362	37.71545	1852.56815	0	0	0	RS-700	-0.42503

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6210	-122.362	37.71545	1902.86945	0	0	0	RS-700	-0.17478
6211	-122.362	37.71546	1983.70991	0	0	0	RS-700	0.227412
6212	-122.362	37.71546	1875.88165	0	0	0	RS-700	-0.30905
6213	-122.362	37.71546	1905.29971	0	0	0	RS-700	-0.16269
6214	-122.362	37.71546	1924.97807	0	0	0	RS-700	-0.06479
6215	-122.362	37.71546	1965.70421	0	0	0	RS-700	0.137832
6216	-122.362	37.71547	2014.90394	0	0	0	RS-700	0.382607
6217	-122.362	37.71547	1916.39711	0	0	0	RS-700	-0.10748
6218	-122.362	37.71547	2050.46469	0	0	0	RS-700	0.559526
6219	-122.362	37.71547	2026.03944	0	0	0	RS-700	0.438007
6220	-122.362	37.71548	1925.4937	0	0	0	RS-700	-0.06222
6221	-122.362	37.71548	1974.53435	0	0	0	RS-700	0.181763
6222	-122.362	37.71548	1977.11515	0	0	0	RS-700	0.194603
6223	-122.362	37.71548	1994.61171	0	0	0	RS-700	0.28165
6224	-122.362	37.71548	2039.23918	0	0	0	RS-700	0.503678
6225	-122.362	37.71549	1991.31159	0	0	0	RS-700	0.265232
6226	-122.362	37.71549	2000.69338	0	0	0	RS-700	0.311907
6227	-122.362	37.71549	1981.70194	0	0	0	RS-700	0.217423
6228	-122.362	37.71549	2032.23608	0	0	0	RS-700	0.468836
6229	-122.362	37.7155	1914.65908	0	0	0	RS-700	-0.11612
6230	-122.362	37.7155	1960.36948	0	0	0	RS-700	0.111291
6231	-122.362	37.7155	1951.0084	0	0	0	RS-700	0.064718
6232	-122.362	37.7155	2026.94269	0	0	0	RS-700	0.442501
6233	-122.362	37.7155	2112.99394	0	0	0	RS-700	0.870617
6234	-122.362	37.7155	1932.8848	0	0	0	RS-700	-0.02545
6235	-122.362	37.7155	1957.40974	0	0	0	RS-700	0.096566
6236	-122.362	37.7155	2021.84392	0	0	0	RS-700	0.417134
6237	-122.362	37.7155	1948.59261	0	0	0	RS-700	0.0527
6238	-122.362	37.7155	1989.55659	0	0	0	RS-700	0.2565
6239	-122.362	37.7155	2004.92373	0	0	0	RS-700	0.332954
6240	-122.362	37.7155	2082.7453	0	0	0	RS-700	0.720126
6241	-122.362	37.71551	2029.42666	0	0	0	RS-700	0.454859
6242	-122.362	37.71551	1989.49926	0	0	0	RS-700	0.256215
6243	-122.362	37.71551	2048.5275	0	0	0	RS-700	0.549888
6244	-122.362	37.71551	1943.10717	0	0	0	RS-700	0.025409
6245	-122.362	37.71551	1916.78409	0	0	0	RS-700	-0.10555
6246	-122.362	37.71551	1951.68832	0	0	0	RS-700	0.068101
6247	-122.362	37.7155	1955.96575	0	0	0	RS-700	0.089382
6248	-122.362	37.7155	1962.02241	0	0	0	RS-700	0.119514
6249	-122.362	37.7155	1902.77313	0	0	0	RS-700	-0.17526
6250	-122.362	37.7155	1915.39904	0	0	0	RS-700	-0.11244
6251	-122.362	37.71552	1939.78411	0	0	0	RS-700	0.008876
6252	-122.362	37.71552	2035.13368	0	0	0	RS-700	0.483252
6253	-122.362	37.71552	1856.75187	0	0	0	RS-700	-0.40422
6254	-122.362	37.71552	1942.98588	0	0	0	RS-700	0.024805

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6255	-122.362	37.71553	1946.88688	0	0	0	RS-700	0.044213
6256	-122.362	37.71553	2011.61962	0	0	0	RS-700	0.366267
6257	-122.362	37.71553	2001.01287	0	0	0	RS-700	0.313497
6258	-122.362	37.71552	2054.02907	0	0	0	RS-700	0.577259
6259	-122.362	37.71553	2025.61942	0	0	0	RS-700	0.435918
6260	-122.362	37.71552	1923.49395	0	0	0	RS-700	-0.07217
6261	-122.362	37.71553	1864.75965	0	0	0	RS-700	-0.36438
6262	-122.362	37.71554	1973.20972	0	0	0	RS-700	0.175173
6263	-122.362	37.71554	1953.30466	0	0	0	RS-700	0.076143
6264	-122.362	37.71554	1915.79012	0	0	0	RS-700	-0.1105
6265	-122.362	37.71554	1869.57443	0	0	0	RS-700	-0.34043
6266	-122.362	37.71555	1894.72518	0	0	0	RS-700	-0.2153
6267	-122.362	37.71555	1912.67952	0	0	0	RS-700	-0.12597
6268	-122.362	37.71555	1976.72384	0	0	0	RS-700	0.192656
6269	-122.362	37.71555	1980.11347	0	0	0	RS-700	0.20952
6270	-122.362	37.71555	1963.58323	0	0	0	RS-700	0.12728
6271	-122.362	37.71556	1940.49117	0	0	0	RS-700	0.012394
6272	-122.362	37.71556	1977.80672	0	0	0	RS-700	0.198043
6273	-122.362	37.71556	2015.72339	0	0	0	RS-700	0.386684
6274	-122.362	37.71556	2034.21683	0	0	0	RS-700	0.478691
6275	-122.362	37.71556	1911.77815	0	0	0	RS-700	-0.13046
6276	-122.362	37.71556	1970.00292	0	0	0	RS-700	0.159219
6277	-122.362	37.71556	1997.61353	0	0	0	RS-700	0.296585
6278	-122.362	37.71557	1944.58755	0	0	0	RS-700	0.032774
6279	-122.362	37.71557	1920.97126	0	0	0	RS-700	-0.08472
6280	-122.362	37.71557	1992.21155	0	0	0	RS-700	0.269709
6281	-122.362	37.71557	1982.90851	0	0	0	RS-700	0.223425
6282	-122.362	37.71557	1848.85425	0	0	0	RS-700	-0.44351
6283	-122.362	37.71557	1931.97919	0	0	0	RS-700	-0.02995
6284	-122.362	37.71558	1897.58172	0	0	0	RS-700	-0.20109
6285	-122.362	37.71558	1930.88603	0	0	0	RS-700	-0.03539
6286	-122.362	37.71558	1862.48174	0	0	0	RS-700	-0.37571
6287	-122.362	37.71558	1790.45975	0	0	0	RS-700	-0.73403
6288	-122.362	37.71558	1836.0279	0	0	0	RS-700	-0.50732
6289	-122.362	37.71558	1874.67029	0	0	0	RS-700	-0.31507
6290	-122.362	37.71558	1741.18258	0	0	0	RS-700	-0.97919
6291	-122.362	37.71558	1772.45849	0	0	0	RS-700	-0.82359
6292	-122.362	37.71558	1424.36495	0	0	0	RS-700	-2.5554
6293	-122.362	37.71558	1469.37616	0	0	0	RS-700	-2.33146
6294	-122.362	37.71558	1401.58117	0	0	0	RS-700	-2.66875
6295	-122.362	37.71558	1665.75863	0	0	0	RS-700	-1.35443
6296	-122.362	37.71558	1829.21568	0	0	0	RS-700	-0.54122
6297	-122.362	37.71558	1867.5719	0	0	0	RS-700	-0.35039
6298	-122.362	37.71559	1861.57491	0	0	0	RS-700	-0.38022
6299	-122.362	37.71559	1918.58743	0	0	0	RS-700	-0.09658

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6300	-122.362	37.71559	1897.1478	0	0	0	RS-700	-0.20324
6301	-122.362	37.71559	1945.89139	0	0	0	RS-700	0.039261
6302	-122.362	37.7156	1874.29401	0	0	0	RS-700	-0.31695
6303	-122.362	37.7156	1914.77898	0	0	0	RS-700	-0.11553
6304	-122.362	37.7156	1893.29891	0	0	0	RS-700	-0.22239
6305	-122.362	37.7156	1954.60026	0	0	0	RS-700	0.082588
6306	-122.362	37.7156	1920.29906	0	0	0	RS-700	-0.08806
6307	-122.362	37.7156	1860.64922	0	0	0	RS-700	-0.38483
6308	-122.362	37.71561	1814.48056	0	0	0	RS-700	-0.61452
6309	-122.362	37.71561	1879.23044	0	0	0	RS-700	-0.29239
6310	-122.362	37.71561	1889.77021	0	0	0	RS-700	-0.23995
6311	-122.362	37.71561	1911.58549	0	0	0	RS-700	-0.13142
6312	-122.362	37.71561	1836.02679	0	0	0	RS-700	-0.50733
6313	-122.362	37.71561	1878.961	0	0	0	RS-700	-0.29373
6314	-122.362	37.71561	1853.84301	0	0	0	RS-700	-0.41869
6315	-122.362	37.71561	1879.48195	0	0	0	RS-700	-0.29113
6316	-122.362	37.71561	1830.83417	0	0	0	RS-700	-0.53316
6317	-122.362	37.71562	1919.49292	0	0	0	RS-700	-0.09208
6318	-122.362	37.71562	1860.2847	0	0	0	RS-700	-0.38664
6319	-122.362	37.71562	1891.76151	0	0	0	RS-700	-0.23004
6320	-122.362	37.71562	1866.03405	0	0	0	RS-700	-0.35804
6321	-122.362	37.71562	1947.79272	0	0	0	RS-700	0.04872
6322	-122.362	37.71562	1913.5745	0	0	0	RS-700	-0.12152
6323	-122.362	37.71562	1884.56467	0	0	0	RS-700	-0.26585
6324	-122.362	37.71563	1930.39778	0	0	0	RS-700	-0.03782
6325	-122.362	37.71563	1921.6836	0	0	0	RS-700	-0.08118
6326	-122.362	37.71563	2023.72544	0	0	0	RS-700	0.426495
6327	-122.362	37.71563	1976.70683	0	0	0	RS-700	0.192571
6328	-122.362	37.71563	1968.09418	0	0	0	RS-700	0.149722
6329	-122.362	37.71564	2127.87043	0	0	0	RS-700	0.944629
6330	-122.362	37.71564	2086.84258	0	0	0	RS-700	0.74051
6331	-122.362	37.71564	2193.11257	0	0	0	RS-700	1.269217
6332	-122.362	37.71564	2167.09401	0	0	0	RS-700	1.139771
6333	-122.362	37.71564	2182.66988	0	0	0	RS-700	1.217263
6334	-122.362	37.71564	2096.96039	0	0	0	RS-700	0.790848
6335	-122.362	37.71564	2071.86875	0	0	0	RS-700	0.666014
6336	-122.362	37.71564	2119.65323	0	0	0	RS-700	0.903747
6337	-122.362	37.71564	2241.57399	0	0	0	RS-700	1.510318
6338	-122.362	37.71564	2143.53414	0	0	0	RS-700	1.022558
6339	-122.362	37.71564	2196.88066	0	0	0	RS-700	1.287963
6340	-122.362	37.71564	2238.92113	0	0	0	RS-700	1.49712
6341	-122.362	37.71564	2200.36336	0	0	0	RS-700	1.30529
6342	-122.362	37.71564	2259.69758	0	0	0	RS-700	1.600485
6343	-122.362	37.71564	2264.92239	0	0	0	RS-700	1.62648
6344	-122.362	37.71563	2297.50723	0	0	0	RS-700	1.788593

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6345	-122.362	37.71563	2319.28845	0	0	0	RS-700	1.896957
6346	-122.362	37.71563	2312.92613	0	0	0	RS-700	1.865304
6347	-122.362	37.71563	2247.13867	0	0	0	RS-700	1.538003
6348	-122.362	37.71563	2264.36873	0	0	0	RS-700	1.623725
6349	-122.362	37.71563	2230.81899	0	0	0	RS-700	1.456811
6350	-122.362	37.71563	2210.93487	0	0	0	RS-700	1.357885
6351	-122.362	37.71563	2196.80531	0	0	0	RS-700	1.287589
6352	-122.362	37.71562	2283.38737	0	0	0	RS-700	1.718345
6353	-122.362	37.71562	2276.69794	0	0	0	RS-700	1.685064
6354	-122.362	37.71563	2256.4834	0	0	0	RS-700	1.584495
6355	-122.362	37.71563	2227.81163	0	0	0	RS-700	1.441849
6356	-122.362	37.71563	2230.47669	0	0	0	RS-700	1.455108
6357	-122.362	37.71563	2123.07567	0	0	0	RS-700	0.920774
6358	-122.362	37.71562	2165.0905	0	0	0	RS-700	1.129803
6359	-122.362	37.71562	2204.68342	0	0	0	RS-700	1.326783
6360	-122.362	37.71562	2155.20162	0	0	0	RS-700	1.080605
6361	-122.362	37.71562	2116.39145	0	0	0	RS-700	0.88752
6362	-122.362	37.71563	2233.69114	0	0	0	RS-700	1.4711
6363	-122.362	37.71563	2251.68393	0	0	0	RS-700	1.560617
6364	-122.362	37.71564	2343.96602	0	0	0	RS-700	2.019731
6365	-122.362	37.71565	2399.11161	0	0	0	RS-700	2.294088
6366	-122.362	37.71565	2464.2509	0	0	0	RS-700	2.618164
6367	-122.362	37.71565	2437.75776	0	0	0	RS-700	2.486357
6368	-122.362	37.71565	2474.12847	0	0	0	RS-700	2.667306
6369	-122.362	37.71566	2399.62036	0	0	0	RS-700	2.296619
6370	-122.362	37.71566	2380.14396	0	0	0	RS-700	2.199721
6371	-122.362	37.71566	2338.64752	0	0	0	RS-700	1.993271
6372	-122.362	37.71566	2432.7576	0	0	0	RS-700	2.461481
6373	-122.362	37.71566	2396.96044	0	0	0	RS-700	2.283385
6374	-122.362	37.71566	2389.32869	0	0	0	RS-700	2.245416
6375	-122.362	37.71566	2469.01713	0	0	0	RS-700	2.641876
6376	-122.362	37.71566	2441.98906	0	0	0	RS-700	2.507408
6377	-122.362	37.71566	2467.11904	0	0	0	RS-700	2.632433
6378	-122.362	37.71566	2507.90037	0	0	0	RS-700	2.835325
6379	-122.362	37.71567	2522.78354	0	0	0	RS-700	2.909371
6380	-122.362	37.71567	2391.22442	0	0	0	RS-700	2.254848
6381	-122.362	37.71565	2560.43292	0	0	0	RS-700	3.096681
6382	-122.362	37.71565	2482.61461	0	0	0	RS-700	2.709525
6383	-122.362	37.71567	2468.63913	0	0	0	RS-700	2.639996
6384	-122.362	37.71566	2504.01924	0	0	0	RS-700	2.816016
6385	-122.362	37.71566	2457.75345	0	0	0	RS-700	2.585838
6386	-122.362	37.71564	2376.57504	0	0	0	RS-700	2.181965
6387	-122.362	37.71568	2374.07623	0	0	0	RS-700	2.169533
6388	-122.362	37.71567	2244.14074	0	0	0	RS-700	1.523088
6389	-122.362	37.71567	2193.00496	0	0	0	RS-700	1.268681



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6390	-122.362	37.71567	2191.56612	0	0	0	RS-700	1.261523
6391	-122.362	37.71567	2182.5591	0	0	0	RS-700	1.216712
6392	-122.362	37.71568	2195.66209	0	0	0	RS-700	1.281901
6393	-122.362	37.71567	2234.33459	0	0	0	RS-700	1.474301
6394	-122.362	37.71567	2297.62711	0	0	0	RS-700	1.78919
6395	-122.362	37.71568	2344.24308	0	0	0	RS-700	2.02111
6396	-122.362	37.71568	2355.72859	0	0	0	RS-700	2.078252
6397	-122.362	37.71568	2359.07298	0	0	0	RS-700	2.09489
6398	-122.362	37.71569	2298.42437	0	0	0	RS-700	1.793156
6399	-122.362	37.71569	2392.75211	0	0	0	RS-700	2.262448
6400	-122.362	37.71568	2300.40134	0	0	0	RS-700	1.802992
6401	-122.362	37.71567	2256.25309	0	0	0	RS-700	1.583349
6402	-122.362	37.71568	2249.48274	0	0	0	RS-700	1.549665
6403	-122.362	37.71568	2376.22049	0	0	0	RS-700	2.180201
6404	-122.362	37.7157	2482.62064	0	0	0	RS-700	2.709555
6405	-122.362	37.7157	2436.67288	0	0	0	RS-700	2.48096
6406	-122.362	37.7157	2511.38906	0	0	0	RS-700	2.852682
6407	-122.362	37.7157	2491.78014	0	0	0	RS-700	2.755125
6408	-122.362	37.71569	2585.42032	0	0	0	RS-700	3.220997
6409	-122.362	37.71569	2468.15321	0	0	0	RS-700	2.637578
6410	-122.362	37.7157	2459.62463	0	0	0	RS-700	2.595147
6411	-122.362	37.71574	2513.77632	0	0	0	RS-700	2.864559
6412	-122.362	37.71574	2378.09262	0	0	0	RS-700	2.189516
6413	-122.362	37.71571	2257.91831	0	0	0	RS-700	1.591633
6414	-122.362	37.71571	2140.77063	0	0	0	RS-700	1.008809
6415	-122.362	37.71571	2239.2642	0	0	0	RS-700	1.498827
6416	-122.362	37.71571	2097.7556	0	0	0	RS-700	0.794804
6417	-122.362	37.71571	2125.10455	0	0	0	RS-700	0.930868
6418	-122.362	37.71571	2216.43944	0	0	0	RS-700	1.385271
6419	-122.362	37.71571	2189.90017	0	0	0	RS-700	1.253235
6420	-122.362	37.7157	2222.79162	0	0	0	RS-700	1.416874
6421	-122.362	37.71574	2318.0811	0	0	0	RS-700	1.890951
6422	-122.362	37.7157	2324.64334	0	0	0	RS-700	1.923599
6423	-122.362	37.7157	2406.97918	0	0	0	RS-700	2.33323
6424	-122.362	37.71569	2350.07606	0	0	0	RS-700	2.05013
6425	-122.362	37.71569	2348.20279	0	0	0	RS-700	2.04081
6426	-122.362	37.71569	2379.74085	0	0	0	RS-700	2.197716
6427	-122.362	37.71569	2383.49282	0	0	0	RS-700	2.216382
6428	-122.362	37.71568	2380.68441	0	0	0	RS-700	2.20241
6429	-122.362	37.71568	2366.0614	0	0	0	RS-700	2.129659
6430	-122.362	37.71569	2360.96292	0	0	0	RS-700	2.104293
6431	-122.362	37.71569	2354.72956	0	0	0	RS-700	2.073281
6432	-122.362	37.71569	2222.79081	0	0	0	RS-700	1.41687
6433	-122.362	37.71569	2237.46127	0	0	0	RS-700	1.489857
6434	-122.362	37.71569	2372.96722	0	0	0	RS-700	2.164016

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6435	-122.362	37.71569	2279.16356	0	0	0	RS-700	1.697331
6436	-122.362	37.71568	2274.91235	0	0	0	RS-700	1.676181
6437	-122.362	37.7157	2319.49125	0	0	0	RS-700	1.897966
6438	-122.362	37.7157	2333.07289	0	0	0	RS-700	1.965537
6439	-122.362	37.7157	2302.41211	0	0	0	RS-700	1.812996
6440	-122.362	37.7157	2398.11284	0	0	0	RS-700	2.289119
6441	-122.362	37.7157	2456.87088	0	0	0	RS-700	2.581447
6442	-122.362	37.7157	2432.86767	0	0	0	RS-700	2.462028
6443	-122.362	37.7157	2418.07384	0	0	0	RS-700	2.388427
6444	-122.362	37.71569	2401.3339	0	0	0	RS-700	2.305144
6445	-122.362	37.71569	2407.86878	0	0	0	RS-700	2.337656
6446	-122.362	37.71569	2425.71872	0	0	0	RS-700	2.426461
6447	-122.362	37.71569	2187.99759	0	0	0	RS-700	1.243769
6448	-122.362	37.71569	2105.85389	0	0	0	RS-700	0.835094
6449	-122.362	37.71569	2164.88255	0	0	0	RS-700	1.128769
6450	-122.362	37.7157	2118.32959	0	0	0	RS-700	0.897162
6451	-122.362	37.7157	2044.03406	0	0	0	RS-700	0.527533
6452	-122.362	37.7157	2082.22752	0	0	0	RS-700	0.71755
6453	-122.362	37.71571	2062.62804	0	0	0	RS-700	0.62004
6454	-122.362	37.71571	2098.28906	0	0	0	RS-700	0.797458
6455	-122.362	37.71571	2067.84131	0	0	0	RS-700	0.645977
6456	-122.362	37.71571	2092.59611	0	0	0	RS-700	0.769135
6457	-122.362	37.71572	1920.39787	0	0	0	RS-700	-0.08757
6458	-122.362	37.71572	1975.80338	0	0	0	RS-700	0.188077
6459	-122.362	37.71572	2028.13436	0	0	0	RS-700	0.44843
6460	-122.362	37.71572	2092.43592	0	0	0	RS-700	0.768338
6461	-122.362	37.71572	2081.73692	0	0	0	RS-700	0.715109
6462	-122.362	37.71573	2072.84045	0	0	0	RS-700	0.670848
6463	-122.362	37.71573	2123.76102	0	0	0	RS-700	0.924184
6464	-122.362	37.71573	2101.75291	0	0	0	RS-700	0.814691
6465	-122.362	37.71573	1997.6135	0	0	0	RS-700	0.296585
6466	-122.362	37.71573	2090.06524	0	0	0	RS-700	0.756543
6467	-122.362	37.71574	2055.51831	0	0	0	RS-700	0.584668
6468	-122.362	37.71574	2062.03737	0	0	0	RS-700	0.617101
6469	-122.362	37.71573	2098.47681	0	0	0	RS-700	0.798392
6470	-122.362	37.71573	2116.76855	0	0	0	RS-700	0.889396
6471	-122.362	37.71573	2099.95758	0	0	0	RS-700	0.805759
6472	-122.362	37.71573	2085.74666	0	0	0	RS-700	0.735058
6473	-122.362	37.71573	2033.82881	0	0	0	RS-700	0.47676
6474	-122.362	37.71572	2039.73305	0	0	0	RS-700	0.506135
6475	-122.362	37.71572	1967.7939	0	0	0	RS-700	0.148228
6476	-122.362	37.71571	2002.51634	0	0	0	RS-700	0.320977
6477	-122.362	37.71571	2044.52712	0	0	0	RS-700	0.529986
6478	-122.362	37.7157	2037.83825	0	0	0	RS-700	0.496708
6479	-122.362	37.7157	2058.5311	0	0	0	RS-700	0.599657

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6480	-122.362	37.7157	2206.67756	0	0	0	RS-700	1.336704
6481	-122.362	37.71569	2085.63998	0	0	0	RS-700	0.734527
6482	-122.362	37.7157	2151.98952	0	0	0	RS-700	1.064624
6483	-122.362	37.7157	2145.99074	0	0	0	RS-700	1.03478
6484	-122.362	37.7157	2145.54922	0	0	0	RS-700	1.032583
6485	-122.362	37.7157	2098.65164	0	0	0	RS-700	0.799262
6486	-122.362	37.71571	2094.53803	0	0	0	RS-700	0.778796
6487	-122.362	37.71571	2124.86113	0	0	0	RS-700	0.929657
6488	-122.362	37.71571	2006.62626	0	0	0	RS-700	0.341424
6489	-122.362	37.71571	2051.03283	0	0	0	RS-700	0.562352
6490	-122.362	37.7157	1999.51279	0	0	0	RS-700	0.306034
6491	-122.362	37.7157	1953.81299	0	0	0	RS-700	0.078672
6492	-122.362	37.7157	2000.32326	0	0	0	RS-700	0.310066
6493	-122.362	37.71571	1977.61092	0	0	0	RS-700	0.197069
6494	-122.362	37.71571	1912.68236	0	0	0	RS-700	-0.12596
6495	-122.362	37.71571	2041.92389	0	0	0	RS-700	0.517034
6496	-122.362	37.71571	1998.81523	0	0	0	RS-700	0.302563
6497	-122.362	37.71571	2061.94609	0	0	0	RS-700	0.616647
6498	-122.362	37.71572	2142.33334	0	0	0	RS-700	1.016584
6499	-122.362	37.71572	2079.97911	0	0	0	RS-700	0.706364
6500	-122.362	37.71572	2103.85721	0	0	0	RS-700	0.82516
6501	-122.362	37.71572	2065.74064	0	0	0	RS-700	0.635526
6502	-122.362	37.71573	2076.63831	0	0	0	RS-700	0.689743
6503	-122.362	37.71573	2112.64859	0	0	0	RS-700	0.868898
6504	-122.362	37.71573	1853.46806	0	0	0	RS-700	-0.42056
6505	-122.362	37.71573	1582.45694	0	0	0	RS-700	-1.76887
6506	-122.362	37.71574	1463.36289	0	0	0	RS-700	-2.36138
6507	-122.362	37.71574	1602.58271	0	0	0	RS-700	-1.66874
6508	-122.362	37.71574	1800.82546	0	0	0	RS-700	-0.68246
6509	-122.362	37.71575	1969.60266	0	0	0	RS-700	0.157227
6510	-122.362	37.71575	2062.15213	0	0	0	RS-700	0.617672
6511	-122.362	37.71575	1768.45211	0	0	0	RS-700	-0.84352
6512	-122.362	37.71575	1193.25462	0	0	0	RS-700	-3.7052
6513	-122.362	37.71575	796.12649	0	0	0	RS-700	-5.68096
6514	-122.362	37.71576	751.00494	0	0	0	RS-700	-5.90545
6515	-122.362	37.71576	786.12286	0	0	0	RS-700	-5.73073
6516	-122.362	37.71576	926.28487	0	0	0	RS-700	-5.03341
6517	-122.362	37.71576	1695.18013	0	0	0	RS-700	-1.20806
6518	-122.362	37.71576	1881.38637	0	0	0	RS-700	-0.28166
6519	-122.362	37.71577	1938.79609	0	0	0	RS-700	0.003961
6520	-122.362	37.71577	2027.72566	0	0	0	RS-700	0.446396
6521	-122.362	37.71577	1989.61254	0	0	0	RS-700	0.256779
6522	-122.362	37.71577	1877.29694	0	0	0	RS-700	-0.30201
6523	-122.362	37.71577	1996.91466	0	0	0	RS-700	0.293108
6524	-122.362	37.71577	1993.30481	0	0	0	RS-700	0.275148

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6525	-122.362	37.71577	1950.08017	0	0	0	RS-700	0.0601
6526	-122.362	37.71577	2033.61963	0	0	0	RS-700	0.47572
6527	-122.362	37.71577	1906.48838	0	0	0	RS-700	-0.15677
6528	-122.362	37.71577	1930.96972	0	0	0	RS-700	-0.03498
6529	-122.362	37.71577	1948.60932	0	0	0	RS-700	0.052783
6530	-122.362	37.71577	2016.21908	0	0	0	RS-700	0.38915
6531	-122.362	37.71577	1957.89738	0	0	0	RS-700	0.098992
6532	-122.362	37.71577	2041.52507	0	0	0	RS-700	0.51505
6533	-122.362	37.71577	2012.61352	0	0	0	RS-700	0.371212
6534	-122.362	37.71577	1991.80973	0	0	0	RS-700	0.26771
6535	-122.362	37.71577	1998.51508	0	0	0	RS-700	0.30107
6536	-122.362	37.71577	2048.83862	0	0	0	RS-700	0.551436
6537	-122.362	37.71577	1991.90171	0	0	0	RS-700	0.268168
6538	-122.362	37.71577	2031.83343	0	0	0	RS-700	0.466833
6539	-122.362	37.71577	2000.61396	0	0	0	RS-700	0.311512
6540	-122.362	37.71577	2054.74409	0	0	0	RS-700	0.580816
6541	-122.362	37.71578	2071.84251	0	0	0	RS-700	0.665883
6542	-122.362	37.71578	2148.10619	0	0	0	RS-700	1.045304
6543	-122.362	37.71578	2063.71344	0	0	0	RS-700	0.62544
6544	-122.362	37.71579	2069.04576	0	0	0	RS-700	0.651969
6545	-122.362	37.71579	2102.85961	0	0	0	RS-700	0.820197
6546	-122.362	37.71579	2043.34449	0	0	0	RS-700	0.524102
6547	-122.362	37.7158	1959.1936	0	0	0	RS-700	0.105441
6548	-122.362	37.7158	2013.90476	0	0	0	RS-700	0.377636
6549	-122.362	37.7158	1918.78105	0	0	0	RS-700	-0.09562
6550	-122.362	37.71581	1996.71496	0	0	0	RS-700	0.292114
6551	-122.362	37.71581	1877.58582	0	0	0	RS-700	-0.30057
6552	-122.362	37.71581	2009.6238	0	0	0	RS-700	0.356337
6553	-122.362	37.71582	1913.68126	0	0	0	RS-700	-0.12099
6554	-122.362	37.71582	1771.74685	0	0	0	RS-700	-0.82713
6555	-122.362	37.71582	1759.97825	0	0	0	RS-700	-0.88568
6556	-122.362	37.71583	1749.53822	0	0	0	RS-700	-0.93762
6557	-122.362	37.71583	1696.52129	0	0	0	RS-700	-1.20139
6558	-122.362	37.71583	1752.4533	0	0	0	RS-700	-0.92312
6559	-122.362	37.71584	1826.10885	0	0	0	RS-700	-0.55667
6560	-122.362	37.71584	1834.02355	0	0	0	RS-700	-0.5173
6561	-122.362	37.71584	1725.61753	0	0	0	RS-700	-1.05663
6562	-122.362	37.71585	1804.82707	0	0	0	RS-700	-0.66255
6563	-122.362	37.71585	1776.55313	0	0	0	RS-700	-0.80322
6564	-122.362	37.71585	1753.62818	0	0	0	RS-700	-0.91727
6565	-122.363	37.71586	1849.84556	0	0	0	RS-700	-0.43858
6566	-122.363	37.71586	1911.68342	0	0	0	RS-700	-0.13093
6567	-122.363	37.71587	1843.65492	0	0	0	RS-700	-0.46938
6568	-122.363	37.71587	1819.19574	0	0	0	RS-700	-0.59107
6569	-122.363	37.71587	1913.96709	0	0	0	RS-700	-0.11957

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6570	-122.363	37.71588	1932.97404	0	0	0	RS-700	-0.025
6571	-122.363	37.71588	1997.6142	0	0	0	RS-700	0.296588
6572	-122.363	37.71588	1972.81455	0	0	0	RS-700	0.173207
6573	-122.363	37.71589	1912.20707	0	0	0	RS-700	-0.12832
6574	-122.363	37.71589	1934.49592	0	0	0	RS-700	-0.01743
6575	-122.363	37.71589	2038.93077	0	0	0	RS-700	0.502143
6576	-122.363	37.7159	1952.4899	0	0	0	RS-700	0.072089
6577	-122.363	37.7159	1965.70513	0	0	0	RS-700	0.137836
6578	-122.363	37.71593	1972.41661	0	0	0	RS-700	0.171227
6579	-122.363	37.71593	2036.72694	0	0	0	RS-700	0.491179
6580	-122.363	37.71593	2025.62335	0	0	0	RS-700	0.435937
6581	-122.363	37.71594	2073.25909	0	0	0	RS-700	0.672931
6582	-122.363	37.71594	2121.87276	0	0	0	RS-700	0.91479
6583	-122.363	37.71594	2053.63076	0	0	0	RS-700	0.575277
6584	-122.363	37.71595	2040.61856	0	0	0	RS-700	0.51054
6585	-122.363	37.71595	1974.90327	0	0	0	RS-700	0.183598
6586	-122.363	37.71595	2164.77225	0	0	0	RS-700	1.12822
6587	-122.363	37.71596	2074.94704	0	0	0	RS-700	0.681329
6588	-122.363	37.71596	2049.72919	0	0	0	RS-700	0.555867
6589	-122.363	37.71596	2039.61282	0	0	0	RS-700	0.505536
6590	-122.363	37.71597	2101.85429	0	0	0	RS-700	0.815195
6591	-122.363	37.71597	2124.65216	0	0	0	RS-700	0.928618
6592	-122.363	37.71598	2131.30013	0	0	0	RS-700	0.961692
6593	-122.363	37.71598	2124.75899	0	0	0	RS-700	0.929149
6594	-122.363	37.71598	2087.85146	0	0	0	RS-700	0.74553
6595	-122.363	37.71599	2021.41723	0	0	0	RS-700	0.415011
6596	-122.363	37.71599	2049.53279	0	0	0	RS-700	0.55489
6597	-122.363	37.71599	2015.92607	0	0	0	RS-700	0.387692
6598	-122.363	37.716	2071.94978	0	0	0	RS-700	0.666417
6599	-122.363	37.716	2075.42848	0	0	0	RS-700	0.683724
6600	-122.363	37.716	1994.42302	0	0	0	RS-700	0.280712
6601	-122.363	37.71601	2022.41763	0	0	0	RS-700	0.419988
6602	-122.363	37.71601	1974.59873	0	0	0	RS-700	0.182083
6603	-122.363	37.71601	2078.05388	0	0	0	RS-700	0.696785
6604	-122.363	37.71602	2059.92893	0	0	0	RS-700	0.606612
6605	-122.363	37.71602	2057.04487	0	0	0	RS-700	0.592263
6606	-122.363	37.71602	1994.41158	0	0	0	RS-700	0.280655
6607	-122.363	37.71603	2085.64266	0	0	0	RS-700	0.734541
6608	-122.363	37.71603	2097.63535	0	0	0	RS-700	0.794206
6609	-122.363	37.71603	2023.82381	0	0	0	RS-700	0.426984
6610	-122.363	37.71603	1853.74575	0	0	0	RS-700	-0.41918
6611	-122.363	37.71604	1577.95817	0	0	0	RS-700	-1.79125
6612	-122.363	37.71604	1833.73419	0	0	0	RS-700	-0.51874
6613	-122.363	37.71604	1955.49615	0	0	0	RS-700	0.087046
6614	-122.363	37.71605	2010.91194	0	0	0	RS-700	0.362746

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6615	-122.363	37.71605	2019.82851	0	0	0	RS-700	0.407107
6616	-122.363	37.71605	1937.78214	0	0	0	RS-700	-0.00108
6617	-122.363	37.71606	2091.64285	0	0	0	RS-700	0.764392
6618	-122.363	37.71606	1980.41351	0	0	0	RS-700	0.211012
6619	-122.363	37.71606	1979.4087	0	0	0	RS-700	0.206013
6620	-122.363	37.71607	1930.30722	0	0	0	RS-700	-0.03827
6621	-122.363	37.71607	1538.62716	0	0	0	RS-700	-1.98693
6622	-122.363	37.71607	1134.18695	0	0	0	RS-700	-3.99907
6623	-122.363	37.71607	1078.15668	0	0	0	RS-700	-4.27783
6624	-122.363	37.71608	1085.20485	0	0	0	RS-700	-4.24276
6625	-122.363	37.71608	1245.26511	0	0	0	RS-700	-3.44644
6626	-122.363	37.71608	1658.99864	0	0	0	RS-700	-1.38807
6627	-122.363	37.71608	1822.55726	0	0	0	RS-700	-0.57434
6628	-122.363	37.71608	1910.77421	0	0	0	RS-700	-0.13545
6629	-122.363	37.71609	1968.50611	0	0	0	RS-700	0.151772
6630	-122.363	37.71609	1987.81707	0	0	0	RS-700	0.247846
6631	-122.363	37.71609	1946.6039	0	0	0	RS-700	0.042805
6632	-122.363	37.71609	1971.89979	0	0	0	RS-700	0.168656
6633	-122.363	37.7161	1979.9086	0	0	0	RS-700	0.2085
6634	-122.363	37.7161	1939.59705	0	0	0	RS-700	0.007946
6635	-122.363	37.7161	2057.0378	0	0	0	RS-700	0.592228
6636	-122.363	37.7161	1974.60735	0	0	0	RS-700	0.182126
6637	-122.363	37.71611	2019.62073	0	0	0	RS-700	0.406073
6638	-122.363	37.71611	2080.84965	0	0	0	RS-700	0.710695
6639	-122.363	37.71611	2106.83958	0	0	0	RS-700	0.839998
6640	-122.363	37.71611	2115.44704	0	0	0	RS-700	0.882821
6641	-122.363	37.71612	2103.43592	0	0	0	RS-700	0.823064
6642	-122.363	37.71612	2087.64694	0	0	0	RS-700	0.744512
6643	-122.363	37.71612	2158.44534	0	0	0	RS-700	1.096743
6644	-122.363	37.71612	2216.45962	0	0	0	RS-700	1.385371
6645	-122.363	37.71613	2114.17736	0	0	0	RS-700	0.876504
6646	-122.363	37.71613	2129.77069	0	0	0	RS-700	0.954083
6647	-122.363	37.71613	2072.84742	0	0	0	RS-700	0.670883
6648	-122.363	37.71614	1887.76916	0	0	0	RS-700	-0.2499
6649	-122.363	37.71614	1702.35417	0	0	0	RS-700	-1.17237
6650	-122.363	37.71614	1716.52903	0	0	0	RS-700	-1.10185
6651	-122.363	37.71615	1677.77256	0	0	0	RS-700	-1.29466
6652	-122.363	37.71615	1404.21905	0	0	0	RS-700	-2.65563
6653	-122.363	37.71615	1099.3421	0	0	0	RS-700	-4.17243
6654	-122.363	37.71615	1054.05587	0	0	0	RS-700	-4.39773
6655	-122.363	37.71615	1357.35091	0	0	0	RS-700	-2.8888
6656	-122.363	37.71616	1685.43596	0	0	0	RS-700	-1.25654
6657	-122.363	37.71616	1693.68588	0	0	0	RS-700	-1.21549
6658	-122.363	37.71616	1534.55678	0	0	0	RS-700	-2.00718
6659	-122.363	37.71617	1627.58843	0	0	0	RS-700	-1.54434

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6660	-122.363	37.71617	1821.65949	0	0	0	RS-700	-0.57881
6661	-122.363	37.71617	1877.29036	0	0	0	RS-700	-0.30204
6662	-122.363	37.71617	1972.50165	0	0	0	RS-700	0.17165
6663	-122.363	37.71618	1867.665	0	0	0	RS-700	-0.34993
6664	-122.363	37.71618	1975.19381	0	0	0	RS-700	0.185044
6665	-122.363	37.71618	1859.75535	0	0	0	RS-700	-0.38928
6666	-122.363	37.71619	2028.24657	0	0	0	RS-700	0.448988
6667	-122.363	37.71619	1869.57737	0	0	0	RS-700	-0.34041
6668	-122.363	37.71619	1942.99152	0	0	0	RS-700	0.024833
6669	-122.363	37.7162	1990.11267	0	0	0	RS-700	0.259267
6670	-122.363	37.7162	1953.90127	0	0	0	RS-700	0.079111
6671	-122.363	37.7162	1976.70792	0	0	0	RS-700	0.192577
6672	-122.363	37.7162	1935.59839	0	0	0	RS-700	-0.01195
6673	-122.363	37.71621	1996.5068	0	0	0	RS-700	0.291079
6674	-122.363	37.71621	2078.05472	0	0	0	RS-700	0.69679
6675	-122.363	37.71621	1961.79794	0	0	0	RS-700	0.118398
6676	-122.363	37.71621	1990.70772	0	0	0	RS-700	0.262227
6677	-122.363	37.71621	2011.516	0	0	0	RS-700	0.365751
6678	-122.363	37.71621	1932.98069	0	0	0	RS-700	-0.02497
6679	-122.363	37.71622	1973.71185	0	0	0	RS-700	0.177671
6680	-122.363	37.71622	2004.22277	0	0	0	RS-700	0.329467
6681	-122.363	37.71622	2096.05099	0	0	0	RS-700	0.786323
6682	-122.363	37.71622	2064.24628	0	0	0	RS-700	0.628091
6683	-122.363	37.71622	2141.51984	0	0	0	RS-700	1.012537
6684	-122.363	37.71623	2093.07495	0	0	0	RS-700	0.771517
6685	-122.363	37.71623	2125.18606	0	0	0	RS-700	0.931274
6686	-122.363	37.71623	2128.6587	0	0	0	RS-700	0.948551
6687	-122.363	37.71623	2084.95308	0	0	0	RS-700	0.73111
6688	-122.363	37.71623	2099.65467	0	0	0	RS-700	0.804252
6689	-122.363	37.71623	2076.32469	0	0	0	RS-700	0.688183
6690	-122.363	37.71623	2130.98055	0	0	0	RS-700	0.960102
6691	-122.363	37.71623	2158.66324	0	0	0	RS-700	1.097827
6692	-122.363	37.71623	2122.86764	0	0	0	RS-700	0.91974
6693	-122.363	37.71624	2104.7412	0	0	0	RS-700	0.829558
6694	-122.363	37.71624	2028.42742	0	0	0	RS-700	0.449888
6695	-122.363	37.71624	2066.84851	0	0	0	RS-700	0.641037
6696	-122.363	37.71625	2061.53271	0	0	0	RS-700	0.614591
6697	-122.363	37.71625	2002.51791	0	0	0	RS-700	0.320985
6698	-122.363	37.71625	2042.62869	0	0	0	RS-700	0.520541
6699	-122.363	37.71625	2138.29799	0	0	0	RS-700	0.996507
6700	-122.363	37.71625	2105.86396	0	0	0	RS-700	0.835144
6701	-122.363	37.71626	2173.09349	0	0	0	RS-700	1.169619
6702	-122.363	37.71626	2097.84669	0	0	0	RS-700	0.795257
6703	-122.363	37.71626	2113.82286	0	0	0	RS-700	0.874741
6704	-122.363	37.71626	2060.83987	0	0	0	RS-700	0.611144

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6705	-122.363	37.71627	2068.94553	0	0	0	RS-700	0.65147
6706	-122.363	37.71627	2003.01336	0	0	0	RS-700	0.32345
6707	-122.363	37.71627	2045.33944	0	0	0	RS-700	0.534027
6708	-122.363	37.71627	2038.62385	0	0	0	RS-700	0.500616
6709	-122.363	37.71627	2074.27162	0	0	0	RS-700	0.677968
6710	-122.363	37.71628	2032.02383	0	0	0	RS-700	0.46778
6711	-122.363	37.71628	1958.89591	0	0	0	RS-700	0.10396
6712	-122.363	37.71628	1928.49642	0	0	0	RS-700	-0.04728
6713	-122.363	37.71628	1977.00698	0	0	0	RS-700	0.194065
6714	-122.363	37.71628	1974.79379	0	0	0	RS-700	0.183054
6715	-122.363	37.71629	2048.31795	0	0	0	RS-700	0.548846
6716	-122.363	37.71629	2039.52227	0	0	0	RS-700	0.505086
6717	-122.363	37.71629	2038.03891	0	0	0	RS-700	0.497706
6718	-122.363	37.71629	1988.61482	0	0	0	RS-700	0.251815
6719	-122.363	37.71629	1960.59036	0	0	0	RS-700	0.11239
6720	-122.363	37.7163	2070.64779	0	0	0	RS-700	0.659939
6721	-122.363	37.7163	2047.34683	0	0	0	RS-700	0.544014
6722	-122.363	37.7163	2021.62178	0	0	0	RS-700	0.416029
6723	-122.363	37.7163	2025.13026	0	0	0	RS-700	0.433484
6724	-122.363	37.71631	2039.62524	0	0	0	RS-700	0.505598
6725	-122.363	37.71631	1995.20869	0	0	0	RS-700	0.28462
6726	-122.363	37.71631	2053.14438	0	0	0	RS-700	0.572858
6727	-122.363	37.71631	2057.95232	0	0	0	RS-700	0.596778
6728	-122.363	37.71632	2016.80804	0	0	0	RS-700	0.39208
6729	-122.363	37.71632	2028.02063	0	0	0	RS-700	0.447864
6730	-122.363	37.71632	2116.54467	0	0	0	RS-700	0.888282
6731	-122.363	37.71632	2080.9643	0	0	0	RS-700	0.711265
6732	-122.363	37.71632	2148.98924	0	0	0	RS-700	1.049698
6733	-122.363	37.71632	2135.86861	0	0	0	RS-700	0.984421
6734	-122.363	37.71632	2102.38325	0	0	0	RS-700	0.817827
6735	-122.363	37.71632	2154.77329	0	0	0	RS-700	1.078474
6736	-122.363	37.71632	2235.47198	0	0	0	RS-700	1.47996
6737	-122.363	37.71632	2177.02805	0	0	0	RS-700	1.189194
6738	-122.363	37.71633	2160.09576	0	0	0	RS-700	1.104954
6739	-122.363	37.71633	2045.52358	0	0	0	RS-700	0.534943
6740	-122.363	37.71633	2101.65423	0	0	0	RS-700	0.8142
6741	-122.363	37.71633	2030.93418	0	0	0	RS-700	0.462359
6742	-122.363	37.71634	2013.71732	0	0	0	RS-700	0.376703
6743	-122.363	37.71634	2019.03022	0	0	0	RS-700	0.403135
6744	-122.363	37.71634	1913.7833	0	0	0	RS-700	-0.12048
6745	-122.363	37.71634	2025.02858	0	0	0	RS-700	0.432978
6746	-122.363	37.71635	1954.50354	0	0	0	RS-700	0.082107
6747	-122.363	37.71635	1985.21176	0	0	0	RS-700	0.234884
6748	-122.363	37.71635	2020.52836	0	0	0	RS-700	0.410589
6749	-122.363	37.71635	1967.90495	0	0	0	RS-700	0.148781



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6750	-122.363	37.71636	1935.69675	0	0	0	RS-700	-0.01146
6751	-122.363	37.71636	2002.70412	0	0	0	RS-700	0.321911
6752	-122.363	37.71636	1993.7105	0	0	0	RS-700	0.277167
6753	-122.363	37.71637	2004.7166	0	0	0	RS-700	0.331923
6754	-122.363	37.71637	2191.78341	0	0	0	RS-700	1.262604
6755	-122.363	37.71637	2070.74273	0	0	0	RS-700	0.660412
6756	-122.363	37.71638	2116.97303	0	0	0	RS-700	0.890413
6757	-122.363	37.71638	2061.14236	0	0	0	RS-700	0.612649
6758	-122.363	37.71638	1985.6101	0	0	0	RS-700	0.236866
6759	-122.363	37.71638	2028.73895	0	0	0	RS-700	0.451438
6760	-122.363	37.71639	2087.64463	0	0	0	RS-700	0.744501
6761	-122.363	37.71639	2152.22859	0	0	0	RS-700	1.065814
6762	-122.363	37.71639	2017.72678	0	0	0	RS-700	0.396651
6763	-122.363	37.71639	2010.41596	0	0	0	RS-700	0.360278
6764	-122.363	37.7164	2086.37315	0	0	0	RS-700	0.738175
6765	-122.363	37.7164	2018.61977	0	0	0	RS-700	0.401093
6766	-122.363	37.7164	2011.90796	0	0	0	RS-700	0.367701
6767	-122.363	37.71641	1976.51931	0	0	0	RS-700	0.191638
6768	-122.363	37.71641	1974.31009	0	0	0	RS-700	0.180647
6769	-122.363	37.71641	2011.01919	0	0	0	RS-700	0.36328
6770	-122.363	37.71642	1972.50849	0	0	0	RS-700	0.171684
6771	-122.363	37.71642	2120.44797	0	0	0	RS-700	0.907701
6772	-122.363	37.71642	2043.83304	0	0	0	RS-700	0.526533
6773	-122.363	37.71642	2009.81502	0	0	0	RS-700	0.357289
6774	-122.363	37.71642	1938.40095	0	0	0	RS-700	0.001995
6775	-122.363	37.71643	1941.6963	0	0	0	RS-700	0.01839
6776	-122.363	37.71643	2039.82531	0	0	0	RS-700	0.506594
6777	-122.363	37.71643	2030.03231	0	0	0	RS-700	0.457872
6778	-122.363	37.71643	1997.70342	0	0	0	RS-700	0.297032
6779	-122.363	37.71644	1943.60549	0	0	0	RS-700	0.027888
6780	-122.363	37.71644	1978.70348	0	0	0	RS-700	0.202505
6781	-122.363	37.71644	1914.07663	0	0	0	RS-700	-0.11902
6782	-122.363	37.71644	1953.19109	0	0	0	RS-700	0.075578
6783	-122.363	37.71645	1991.71365	0	0	0	RS-700	0.267232
6784	-122.363	37.71645	2094.84803	0	0	0	RS-700	0.780338
6785	-122.363	37.71645	2063.02989	0	0	0	RS-700	0.622039
6786	-122.363	37.71645	1968.80291	0	0	0	RS-700	0.153248
6787	-122.363	37.71646	2131.76825	0	0	0	RS-700	0.964021
6788	-122.363	37.71646	2106.96663	0	0	0	RS-700	0.84063
6789	-122.363	37.71646	2071.62842	0	0	0	RS-700	0.664818
6790	-122.363	37.71646	2080.74373	0	0	0	RS-700	0.710168
6791	-122.363	37.71647	2050.11561	0	0	0	RS-700	0.557789
6792	-122.363	37.71647	2114.33113	0	0	0	RS-700	0.877269
6793	-122.363	37.71647	1978.60766	0	0	0	RS-700	0.202028
6794	-122.363	37.71647	1996.21779	0	0	0	RS-700	0.289641

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6795	-122.363	37.71648	2042.03511	0	0	0	RS-700	0.517588
6796	-122.364	37.71648	2057.42347	0	0	0	RS-700	0.594147
6797	-122.364	37.71648	2091.4376	0	0	0	RS-700	0.763371
6798	-122.364	37.71648	1990.61167	0	0	0	RS-700	0.26175
6799	-122.364	37.71649	1973.7075	0	0	0	RS-700	0.177649
6800	-122.364	37.71649	2048.03894	0	0	0	RS-700	0.547457
6801	-122.364	37.71649	1992.10073	0	0	0	RS-700	0.269158
6802	-122.364	37.7165	1910.9709	0	0	0	RS-700	-0.13447
6803	-122.364	37.7165	1879.57192	0	0	0	RS-700	-0.29069
6804	-122.364	37.7165	1876.19999	0	0	0	RS-700	-0.30746
6805	-122.364	37.7165	1893.39011	0	0	0	RS-700	-0.22194
6806	-122.364	37.71651	1969.90039	0	0	0	RS-700	0.158708
6807	-122.364	37.71651	1896.86738	0	0	0	RS-700	-0.20464
6808	-122.364	37.71651	1883.7679	0	0	0	RS-700	-0.26981
6809	-122.364	37.71651	1906.77645	0	0	0	RS-700	-0.15534
6810	-122.364	37.71652	1988.81171	0	0	0	RS-700	0.252795
6811	-122.364	37.71652	1889.0662	0	0	0	RS-700	-0.24345
6812	-122.364	37.71652	1977.90271	0	0	0	RS-700	0.198521
6813	-122.364	37.71653	1972.80283	0	0	0	RS-700	0.173148
6814	-122.364	37.71653	2080.04785	0	0	0	RS-700	0.706706
6815	-122.364	37.71653	2020.5316	0	0	0	RS-700	0.410605
6816	-122.364	37.71654	2080.0546	0	0	0	RS-700	0.706739
6817	-122.364	37.71654	2033.63277	0	0	0	RS-700	0.475785
6818	-122.364	37.71654	2032.6229	0	0	0	RS-700	0.470761
6819	-122.364	37.71654	2127.29301	0	0	0	RS-700	0.941756
6820	-122.364	37.71655	2047.04721	0	0	0	RS-700	0.542523
6821	-122.364	37.71655	1999.01566	0	0	0	RS-700	0.30356
6822	-122.364	37.71655	2074.52842	0	0	0	RS-700	0.679246
6823	-122.364	37.71655	2048.93858	0	0	0	RS-700	0.551933
6824	-122.364	37.71656	2081.84918	0	0	0	RS-700	0.715668
6825	-122.364	37.71656	2167.10957	0	0	0	RS-700	1.139849
6826	-122.364	37.71656	2096.63748	0	0	0	RS-700	0.789241
6827	-122.364	37.71657	2143.7622	0	0	0	RS-700	1.023693
6828	-122.364	37.71657	2110.55385	0	0	0	RS-700	0.858477
6829	-122.364	37.71657	2046.94542	0	0	0	RS-700	0.542017
6830	-122.364	37.71657	2153.87656	0	0	0	RS-700	1.074013
6831	-122.364	37.71658	2179.8892	0	0	0	RS-700	1.203429
6832	-122.364	37.71658	2198.00546	0	0	0	RS-700	1.29356
6833	-122.364	37.71658	2095.53782	0	0	0	RS-700	0.78377
6834	-122.364	37.71658	2193.45389	0	0	0	RS-700	1.270915
6835	-122.364	37.71659	2260.04183	0	0	0	RS-700	1.602198
6836	-122.364	37.71659	2217.79668	0	0	0	RS-700	1.392023
6837	-122.364	37.71659	2173.19685	0	0	0	RS-700	1.170134
6838	-122.364	37.71659	2148.7703	0	0	0	RS-700	1.048608
6839	-122.364	37.7166	2110.17706	0	0	0	RS-700	0.856602

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6840	-122.364	37.7166	2196.22557	0	0	0	RS-700	1.284704
6841	-122.364	37.7166	2162.88153	0	0	0	RS-700	1.118814
6842	-122.364	37.7166	2043.62636	0	0	0	RS-700	0.525504
6843	-122.364	37.71661	2265.27325	0	0	0	RS-700	1.628225
6844	-122.364	37.71661	2151.5432	0	0	0	RS-700	1.062404
6845	-122.364	37.71661	2168.88384	0	0	0	RS-700	1.148676
6846	-122.364	37.71661	2285.93622	0	0	0	RS-700	1.731026
6847	-122.364	37.71661	2091.85108	0	0	0	RS-700	0.765428
6848	-122.364	37.71662	2115.07805	0	0	0	RS-700	0.880985
6849	-122.364	37.71662	2127.43472	0	0	0	RS-700	0.942461
6850	-122.364	37.71662	2218.89961	0	0	0	RS-700	1.39751
6851	-122.364	37.71662	2098.53942	0	0	0	RS-700	0.798704
6852	-122.364	37.71662	2193.667	0	0	0	RS-700	1.271975
6853	-122.364	37.71662	2143.87451	0	0	0	RS-700	1.024251
6854	-122.364	37.71662	2162.99076	0	0	0	RS-700	1.119357
6855	-122.364	37.71662	2121.85731	0	0	0	RS-700	0.914713
6856	-122.364	37.71662	2143.44365	0	0	0	RS-700	1.022108
6857	-122.364	37.71662	2197.67472	0	0	0	RS-700	1.291914
6858	-122.364	37.71662	2151.76923	0	0	0	RS-700	1.063529
6859	-122.364	37.71662	2150.77082	0	0	0	RS-700	1.058561
6860	-122.364	37.71662	2138.97413	0	0	0	RS-700	0.999871
6861	-122.364	37.71662	2213.23121	0	0	0	RS-700	1.36931
6862	-122.364	37.71662	2209.65729	0	0	0	RS-700	1.351529
6863	-122.364	37.71662	2197.11556	0	0	0	RS-700	1.289132
6864	-122.364	37.71662	2187.01311	0	0	0	RS-700	1.238871
6865	-122.364	37.71666	2097.95619	0	0	0	RS-700	0.795802
6866	-122.364	37.71666	2291.71045	0	0	0	RS-700	1.759753
6867	-122.364	37.71666	2173.55828	0	0	0	RS-700	1.171932
6868	-122.364	37.71666	2156.09112	0	0	0	RS-700	1.08503
6869	-122.364	37.71666	2143.30084	0	0	0	RS-700	1.021397
6870	-122.364	37.71666	2189.99482	0	0	0	RS-700	1.253706
6871	-122.364	37.71666	2165.77822	0	0	0	RS-700	1.133225
6872	-122.364	37.71666	2139.97735	0	0	0	RS-700	1.004862
6873	-122.364	37.71666	2154.55121	0	0	0	RS-700	1.077369
6874	-122.364	37.71666	2140.97958	0	0	0	RS-700	1.009849
6875	-122.364	37.71666	2243.14154	0	0	0	RS-700	1.518117
6876	-122.364	37.71666	2101.75335	0	0	0	RS-700	0.814693
6877	-122.364	37.71666	2152.63858	0	0	0	RS-700	1.067854
6878	-122.364	37.71666	2209.11786	0	0	0	RS-700	1.348845
6879	-122.364	37.71666	2195.67378	0	0	0	RS-700	1.281959
6880	-122.364	37.71666	2163.78165	0	0	0	RS-700	1.123292
6881	-122.364	37.71666	2162.324	0	0	0	RS-700	1.11604
6882	-122.364	37.71666	2220.68464	0	0	0	RS-700	1.406391
6883	-122.364	37.71666	2137.57788	0	0	0	RS-700	0.992925
6884	-122.364	37.71666	2166.98518	0	0	0	RS-700	1.13923

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6885	-122.364	37.71666	2227.2397	0	0	0	RS-700	1.439003
6886	-122.364	37.71666	2241.13537	0	0	0	RS-700	1.508136
6887	-122.364	37.71666	2098.96023	0	0	0	RS-700	0.800797
6888	-122.364	37.71666	2112.76291	0	0	0	RS-700	0.869467
6889	-122.364	37.71666	2106.32666	0	0	0	RS-700	0.837446
6890	-122.364	37.71666	2221.68428	0	0	0	RS-700	1.411365
6891	-122.364	37.71666	2154.66553	0	0	0	RS-700	1.077938
6892	-122.364	37.71666	2168.77606	0	0	0	RS-700	1.14814
6893	-122.364	37.71666	2174.31908	0	0	0	RS-700	1.175717
6894	-122.364	37.71666	2208.45696	0	0	0	RS-700	1.345557
6895	-122.364	37.71666	2178.87719	0	0	0	RS-700	1.198394
6896	-122.364	37.71666	2235.91086	0	0	0	RS-700	1.482144
6897	-122.364	37.71666	2175.55965	0	0	0	RS-700	1.181889
6898	-122.364	37.71667	2231.2367	0	0	0	RS-700	1.458889
6899	-122.364	37.71667	2105.53674	0	0	0	RS-700	0.833516
6900	-122.364	37.71667	2160.77205	0	0	0	RS-700	1.108319
6901	-122.364	37.71667	2187.21833	0	0	0	RS-700	1.239892
6902	-122.364	37.71667	2183.54349	0	0	0	RS-700	1.221609
6903	-122.364	37.71667	2177.22437	0	0	0	RS-700	1.190171
6904	-122.364	37.71668	2246.68917	0	0	0	RS-700	1.535767
6905	-122.364	37.71668	2247.2458	0	0	0	RS-700	1.538536
6906	-122.364	37.71668	2284.70043	0	0	0	RS-700	1.724878
6907	-122.364	37.71668	2252.58106	0	0	0	RS-700	1.56508
6908	-122.364	37.71668	2210.88701	0	0	0	RS-700	1.357647
6909	-122.364	37.71668	2094.95766	0	0	0	RS-700	0.780884
6910	-122.364	37.71668	2167.87796	0	0	0	RS-700	1.143671
6911	-122.364	37.71668	2116.22257	0	0	0	RS-700	0.886679
6912	-122.364	37.71668	2159.20767	0	0	0	RS-700	1.100536
6913	-122.364	37.71669	2138.6565	0	0	0	RS-700	0.998291
6914	-122.364	37.71668	2155.87628	0	0	0	RS-700	1.083962
6915	-122.364	37.71668	2238.47201	0	0	0	RS-700	1.494886
6916	-122.364	37.71668	2202.7799	0	0	0	RS-700	1.317313
6917	-122.364	37.71668	2219.12483	0	0	0	RS-700	1.398631
6918	-122.364	37.71667	2206.23312	0	0	0	RS-700	1.334493
6919	-122.364	37.71667	2137.87261	0	0	0	RS-700	0.994391
6920	-122.364	37.71667	2229.35342	0	0	0	RS-700	1.44952
6921	-122.364	37.71666	2157.53921	0	0	0	RS-700	1.092235
6922	-122.364	37.71666	2184.99293	0	0	0	RS-700	1.228821
6923	-122.364	37.71666	2099.54504	0	0	0	RS-700	0.803707
6924	-122.364	37.71665	2107.96403	0	0	0	RS-700	0.845592
6925	-122.364	37.71665	2200.11605	0	0	0	RS-700	1.30406
6926	-122.364	37.71664	2122.61021	0	0	0	RS-700	0.918459
6927	-122.364	37.71664	2146.97547	0	0	0	RS-700	1.039679
6928	-122.364	37.71664	2166.86408	0	0	0	RS-700	1.138627
6929	-122.364	37.71664	2197.44574	0	0	0	RS-700	1.290775

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6930	-122.364	37.71664	2165.53063	0	0	0	RS-700	1.131993
6931	-122.364	37.71664	2118.07583	0	0	0	RS-700	0.8959
6932	-122.364	37.71663	2095.44498	0	0	0	RS-700	0.783308
6933	-122.364	37.71663	2205.78516	0	0	0	RS-700	1.332264
6934	-122.364	37.71662	2184.44992	0	0	0	RS-700	1.226119
6935	-122.364	37.71662	2095.74313	0	0	0	RS-700	0.784792
6936	-122.364	37.71661	2143.65639	0	0	0	RS-700	1.023166
6937	-122.364	37.71661	2276.157	0	0	0	RS-700	1.682373
6938	-122.364	37.71661	2143.65817	0	0	0	RS-700	1.023175
6939	-122.364	37.7166	2221.79692	0	0	0	RS-700	1.411925
6940	-122.364	37.7166	2191.23778	0	0	0	RS-700	1.259889
6941	-122.364	37.7166	2130.76088	0	0	0	RS-700	0.959009
6942	-122.364	37.71659	2243.36019	0	0	0	RS-700	1.519205
6943	-122.364	37.71659	2165.7772	0	0	0	RS-700	1.13322
6944	-122.364	37.71658	2098.85265	0	0	0	RS-700	0.800262
6945	-122.364	37.71658	2145.12284	0	0	0	RS-700	1.030462
6946	-122.364	37.71658	2147.08617	0	0	0	RS-700	1.04023
6947	-122.364	37.71657	2091.84193	0	0	0	RS-700	0.765383
6948	-122.364	37.71657	2067.84124	0	0	0	RS-700	0.645976
6949	-122.364	37.71657	2039.86441	0	0	0	RS-700	0.506788
6950	-122.364	37.71657	2112.83743	0	0	0	RS-700	0.869838
6951	-122.364	37.71657	2086.43213	0	0	0	RS-700	0.738468
6952	-122.364	37.71657	2147.65897	0	0	0	RS-700	1.043079
6953	-122.364	37.71657	2077.63709	0	0	0	RS-700	0.694712
6954	-122.364	37.71657	2125.54471	0	0	0	RS-700	0.933058
6955	-122.364	37.71657	2133.33498	0	0	0	RS-700	0.971816
6956	-122.364	37.71657	2139.98051	0	0	0	RS-700	1.004878
6957	-122.364	37.71656	2149.87903	0	0	0	RS-700	1.054125
6958	-122.364	37.71656	2147.08744	0	0	0	RS-700	1.040236
6959	-122.364	37.71656	2107.26991	0	0	0	RS-700	0.842139
6960	-122.364	37.71655	2086.64042	0	0	0	RS-700	0.739505
6961	-122.364	37.71655	2095.64423	0	0	0	RS-700	0.7843
6962	-122.364	37.71655	2077.04464	0	0	0	RS-700	0.691764
6963	-122.364	37.71654	2015.22369	0	0	0	RS-700	0.384197
6964	-122.364	37.71654	2053.62829	0	0	0	RS-700	0.575265
6965	-122.364	37.71654	1981.01639	0	0	0	RS-700	0.214012
6966	-122.364	37.71653	1942.68985	0	0	0	RS-700	0.023333
6967	-122.364	37.71653	2021.72406	0	0	0	RS-700	0.416538
6968	-122.364	37.71653	1906.24567	0	0	0	RS-700	-0.15798
6969	-122.364	37.71653	1966.69746	0	0	0	RS-700	0.142773
6970	-122.364	37.71653	1967.49978	0	0	0	RS-700	0.146765
6971	-122.364	37.71653	1862.66474	0	0	0	RS-700	-0.3748
6972	-122.364	37.71652	1841.38053	0	0	0	RS-700	-0.48069
6973	-122.364	37.71652	1948.98832	0	0	0	RS-700	0.054668
6974	-122.364	37.71652	1894.67308	0	0	0	RS-700	-0.21556

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
6975	-122.364	37.71651	1904.07898	0	0	0	RS-700	-0.16876
6976	-122.364	37.71651	1958.79512	0	0	0	RS-700	0.103458
6977	-122.364	37.71651	1872.41817	0	0	0	RS-700	-0.32628
6978	-122.364	37.7165	1861.38301	0	0	0	RS-700	-0.38118
6979	-122.364	37.7165	1950.04271	0	0	0	RS-700	0.059914
6980	-122.364	37.7165	2045.62604	0	0	0	RS-700	0.535453
6981	-122.363	37.7165	1990.51099	0	0	0	RS-700	0.261249
6982	-122.363	37.7165	2052.52211	0	0	0	RS-700	0.569762
6983	-122.363	37.7165	2004.51722	0	0	0	RS-700	0.330931
6984	-122.363	37.71649	2029.62458	0	0	0	RS-700	0.455844
6985	-122.363	37.71649	1992.62068	0	0	0	RS-700	0.271745
6986	-122.363	37.71649	2023.22741	0	0	0	RS-700	0.424017
6987	-122.363	37.71648	2019.52349	0	0	0	RS-700	0.40559
6988	-122.363	37.71648	2110.98608	0	0	0	RS-700	0.860627
6989	-122.363	37.71648	2031.82577	0	0	0	RS-700	0.466795
6990	-122.363	37.71648	2004.10261	0	0	0	RS-700	0.328869
6991	-122.363	37.71648	2009.21574	0	0	0	RS-700	0.354307
6992	-122.363	37.71647	2104.73105	0	0	0	RS-700	0.829508
6993	-122.363	37.71647	2099.64795	0	0	0	RS-700	0.804219
6994	-122.363	37.71647	2013.22637	0	0	0	RS-700	0.374261
6995	-122.363	37.71647	1988.10975	0	0	0	RS-700	0.249302
6996	-122.363	37.71647	1976.70989	0	0	0	RS-700	0.192587
6997	-122.363	37.71647	2060.15072	0	0	0	RS-700	0.607715
6998	-122.363	37.71646	1963.00304	0	0	0	RS-700	0.124393
6999	-122.363	37.71646	1946.08671	0	0	0	RS-700	0.040232
7000	-122.363	37.71645	2014.00881	0	0	0	RS-700	0.378153
7001	-122.363	37.71645	1903.87723	0	0	0	RS-700	-0.16977
7002	-122.363	37.71645	1936.78705	0	0	0	RS-700	-0.00603
7003	-122.363	37.71644	1939.19926	0	0	0	RS-700	0.005966
7004	-122.363	37.71644	1984.80763	0	0	0	RS-700	0.232874
7005	-122.363	37.71644	2028.72597	0	0	0	RS-700	0.451373
7006	-122.363	37.71643	2044.9366	0	0	0	RS-700	0.532023
7007	-122.363	37.71643	2007.71483	0	0	0	RS-700	0.34684
7008	-122.363	37.71642	2138.87502	0	0	0	RS-700	0.999378
7009	-122.363	37.71642	2051.52741	0	0	0	RS-700	0.564813
7010	-122.363	37.71642	2108.96022	0	0	0	RS-700	0.850548
7011	-122.363	37.71641	2073.11294	0	0	0	RS-700	0.672204
7012	-122.363	37.71641	1991.80083	0	0	0	RS-700	0.267666
7013	-122.363	37.71641	2105.06684	0	0	0	RS-700	0.831178
7014	-122.363	37.71641	2079.47917	0	0	0	RS-700	0.703876
7015	-122.363	37.7164	2093.06398	0	0	0	RS-700	0.771463
7016	-122.363	37.7164	2118.741	0	0	0	RS-700	0.899209
7017	-122.363	37.7164	2130.44111	0	0	0	RS-700	0.957418
7018	-122.363	37.71639	2063.72837	0	0	0	RS-700	0.625514
7019	-122.363	37.71639	2119.75351	0	0	0	RS-700	0.904246

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7020	-122.363	37.71639	2110.33096	0	0	0	RS-700	0.857368
7021	-122.363	37.71638	2154.96767	0	0	0	RS-700	1.079441
7022	-122.363	37.71638	2143.32933	0	0	0	RS-700	1.021539
7023	-122.363	37.71638	2092.74119	0	0	0	RS-700	0.769857
7024	-122.363	37.71638	2181.55411	0	0	0	RS-700	1.211712
7025	-122.363	37.71638	2191.74466	0	0	0	RS-700	1.262411
7026	-122.363	37.71638	2129.29315	0	0	0	RS-700	0.951707
7027	-122.363	37.71638	2147.09548	0	0	0	RS-700	1.040276
7028	-122.363	37.71637	2089.642	0	0	0	RS-700	0.754438
7029	-122.363	37.71637	2061.94021	0	0	0	RS-700	0.616618
7030	-122.363	37.71637	1991.90758	0	0	0	RS-700	0.268197
7031	-122.363	37.71637	2095.8507	0	0	0	RS-700	0.785327
7032	-122.363	37.71637	2055.63153	0	0	0	RS-700	0.585231
7033	-122.363	37.71636	2020.92272	0	0	0	RS-700	0.412551
7034	-122.363	37.71636	1989.21017	0	0	0	RS-700	0.254777
7035	-122.363	37.71636	2029.62432	0	0	0	RS-700	0.455842
7036	-122.363	37.71635	2012.82664	0	0	0	RS-700	0.372272
7037	-122.363	37.71635	2021.72622	0	0	0	RS-700	0.416548
7038	-122.363	37.71635	2039.62308	0	0	0	RS-700	0.505587
7039	-122.363	37.71635	2039.83067	0	0	0	RS-700	0.50662
7040	-122.363	37.71634	2066.73779	0	0	0	RS-700	0.640487
7041	-122.363	37.71634	2009.41636	0	0	0	RS-700	0.355305
7042	-122.363	37.71634	2071.52606	0	0	0	RS-700	0.664309
7043	-122.363	37.71633	2014.81614	0	0	0	RS-700	0.38217
7044	-122.363	37.71633	2112.28212	0	0	0	RS-700	0.867075
7045	-122.363	37.71633	2033.62117	0	0	0	RS-700	0.475727
7046	-122.363	37.71632	2156.66092	0	0	0	RS-700	1.087865
7047	-122.363	37.71632	2144.89004	0	0	0	RS-700	1.029304
7048	-122.363	37.71631	2108.9593	0	0	0	RS-700	0.850544
7049	-122.363	37.71631	2046.72958	0	0	0	RS-700	0.540943
7050	-122.363	37.71631	2022.30842	0	0	0	RS-700	0.419445
7051	-122.363	37.7163	1939.28603	0	0	0	RS-700	0.006398
7052	-122.363	37.7163	1993.81303	0	0	0	RS-700	0.277677
7053	-122.363	37.7163	1966.70029	0	0	0	RS-700	0.142788
7054	-122.363	37.7163	2081.95198	0	0	0	RS-700	0.716179
7055	-122.363	37.71629	2061.84571	0	0	0	RS-700	0.616148
7056	-122.363	37.71629	2141.42958	0	0	0	RS-700	1.012087
7057	-122.363	37.71628	2063.6382	0	0	0	RS-700	0.625066
7058	-122.363	37.71628	2163.77578	0	0	0	RS-700	1.123263
7059	-122.363	37.71628	2192.34107	0	0	0	RS-700	1.265378
7060	-122.363	37.71627	2181.24189	0	0	0	RS-700	1.210159
7061	-122.363	37.71627	2189.00357	0	0	0	RS-700	1.248774
7062	-122.363	37.71626	2229.68551	0	0	0	RS-700	1.451172
7063	-122.363	37.71626	2097.64196	0	0	0	RS-700	0.794239
7064	-122.363	37.71625	2034.62554	0	0	0	RS-700	0.480724

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7065	-122.363	37.71625	1938.88744	0	0	0	RS-700	0.004415
7066	-122.363	37.71625	2070.42691	0	0	0	RS-700	0.65884
7067	-122.363	37.71624	2174.99539	0	0	0	RS-700	1.179082
7068	-122.363	37.71624	2048.14102	0	0	0	RS-700	0.547965
7069	-122.363	37.71624	2064.42304	0	0	0	RS-700	0.62897
7070	-122.363	37.71623	2003.21197	0	0	0	RS-700	0.324438
7071	-122.363	37.71623	2023.03252	0	0	0	RS-700	0.423047
7072	-122.363	37.71622	2070.53099	0	0	0	RS-700	0.659358
7073	-122.363	37.71622	2072.85245	0	0	0	RS-700	0.670908
7074	-122.363	37.71622	2036.61734	0	0	0	RS-700	0.490634
7075	-122.363	37.71622	2069.2431	0	0	0	RS-700	0.652951
7076	-122.363	37.71621	2078.64164	0	0	0	RS-700	0.69971
7077	-122.363	37.71621	2046.51873	0	0	0	RS-700	0.539894
7078	-122.363	37.71621	2042.92487	0	0	0	RS-700	0.522014
7079	-122.363	37.71621	2015.9296	0	0	0	RS-700	0.387709
7080	-122.363	37.7162	2022.52039	0	0	0	RS-700	0.420499
7081	-122.363	37.7162	2067.14898	0	0	0	RS-700	0.642532
7082	-122.363	37.7162	1999.71639	0	0	0	RS-700	0.307047
7083	-122.363	37.71619	1994.91	0	0	0	RS-700	0.283134
7084	-122.363	37.71619	1938.88877	0	0	0	RS-700	0.004422
7085	-122.363	37.71619	2049.83421	0	0	0	RS-700	0.556389
7086	-122.363	37.71618	1932.78637	0	0	0	RS-700	-0.02594
7087	-122.363	37.71618	1935.78816	0	0	0	RS-700	-0.011
7088	-122.363	37.71618	1933.78546	0	0	0	RS-700	-0.02097
7089	-122.363	37.71618	1908.48919	0	0	0	RS-700	-0.14682
7090	-122.363	37.71618	1965.40182	0	0	0	RS-700	0.136327
7091	-122.363	37.71618	1971.31109	0	0	0	RS-700	0.165727
7092	-122.363	37.71618	1917.97228	0	0	0	RS-700	-0.09964
7093	-122.363	37.71618	1956.69538	0	0	0	RS-700	0.093012
7094	-122.363	37.71618	2027.12342	0	0	0	RS-700	0.4434
7095	-122.363	37.71618	1903.88161	0	0	0	RS-700	-0.16974
7096	-122.363	37.71618	1866.6687	0	0	0	RS-700	-0.35488
7097	-122.363	37.71618	2035.93268	0	0	0	RS-700	0.487227
7098	-122.363	37.71618	2015.71754	0	0	0	RS-700	0.386654
7099	-122.363	37.71618	1835.65723	0	0	0	RS-700	-0.50917
7100	-122.363	37.71617	1693.77298	0	0	0	RS-700	-1.21506
7101	-122.363	37.71617	1583.32334	0	0	0	RS-700	-1.76456
7102	-122.363	37.71617	1614.33019	0	0	0	RS-700	-1.6103
7103	-122.363	37.71617	1574.56959	0	0	0	RS-700	-1.80811
7104	-122.363	37.71617	1623.41688	0	0	0	RS-700	-1.56509
7105	-122.363	37.71616	1209.24808	0	0	0	RS-700	-3.62563
7106	-122.363	37.71616	1130.12018	0	0	0	RS-700	-4.0193
7107	-122.363	37.71616	1492.2279	0	0	0	RS-700	-2.21777
7108	-122.363	37.71615	1625.41861	0	0	0	RS-700	-1.55513
7109	-122.363	37.71615	1967.50313	0	0	0	RS-700	0.146782



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7110	-122.363	37.71614	2196.09947	0	0	0	RS-700	1.284077
7111	-122.363	37.71614	2229.13138	0	0	0	RS-700	1.448415
7112	-122.363	37.71613	2117.9754	0	0	0	RS-700	0.8954
7113	-122.363	37.71613	2238.68068	0	0	0	RS-700	1.495924
7114	-122.363	37.71612	2184.41517	0	0	0	RS-700	1.225946
7115	-122.363	37.71612	2194.11396	0	0	0	RS-700	1.274199
7116	-122.363	37.71612	2092.84772	0	0	0	RS-700	0.770387
7117	-122.363	37.71611	2153.65509	0	0	0	RS-700	1.072911
7118	-122.363	37.71611	2179.88453	0	0	0	RS-700	1.203406
7119	-122.363	37.71611	2052.93762	0	0	0	RS-700	0.571829
7120	-122.363	37.7161	2021.9233	0	0	0	RS-700	0.417529
7121	-122.363	37.7161	2030.42589	0	0	0	RS-700	0.45983
7122	-122.363	37.7161	1947.60528	0	0	0	RS-700	0.047787
7123	-122.363	37.7161	1933.99448	0	0	0	RS-700	-0.01993
7124	-122.363	37.71609	1936.68669	0	0	0	RS-700	-0.00653
7125	-122.363	37.71609	2070.53178	0	0	0	RS-700	0.659362
7126	-122.363	37.71609	1972.60412	0	0	0	RS-700	0.17216
7127	-122.363	37.71609	1935.60216	0	0	0	RS-700	-0.01193
7128	-122.363	37.71608	2041.72165	0	0	0	RS-700	0.516028
7129	-122.363	37.71608	2041.52836	0	0	0	RS-700	0.515066
7130	-122.363	37.71608	2053.83751	0	0	0	RS-700	0.576306
7131	-122.363	37.71607	2115.86181	0	0	0	RS-700	0.884885
7132	-122.363	37.71607	2149.08144	0	0	0	RS-700	1.050156
7133	-122.363	37.71607	2120.42861	0	0	0	RS-700	0.907605
7134	-122.363	37.71607	2139.32927	0	0	0	RS-700	1.001638
7135	-122.363	37.71607	2201.75339	0	0	0	RS-700	1.312206
7136	-122.363	37.71607	2219.5766	0	0	0	RS-700	1.400879
7137	-122.363	37.71607	2199.01918	0	0	0	RS-700	1.298603
7138	-122.363	37.71607	2106.85474	0	0	0	RS-700	0.840073
7139	-122.363	37.71607	2144.13152	0	0	0	RS-700	1.02553
7140	-122.363	37.71607	2156.56038	0	0	0	RS-700	1.087365
7141	-122.363	37.71607	2192.57955	0	0	0	RS-700	1.266565
7142	-122.363	37.71607	2145.10609	0	0	0	RS-700	1.030379
7143	-122.363	37.71607	2152.89407	0	0	0	RS-700	1.069125
7144	-122.363	37.71607	2197.87952	0	0	0	RS-700	1.292933
7145	-122.363	37.71607	2112.545	0	0	0	RS-700	0.868383
7146	-122.363	37.71606	2105.42715	0	0	0	RS-700	0.832971
7147	-122.363	37.71606	2133.29683	0	0	0	RS-700	0.971626
7148	-122.363	37.71606	2123.65124	0	0	0	RS-700	0.923638
7149	-122.363	37.71606	2086.85618	0	0	0	RS-700	0.740578
7150	-122.363	37.71605	2098.95763	0	0	0	RS-700	0.800784
7151	-122.363	37.71605	2122.75625	0	0	0	RS-700	0.919185
7152	-122.363	37.71605	2074.95068	0	0	0	RS-700	0.681347
7153	-122.363	37.71604	2050.14451	0	0	0	RS-700	0.557933
7154	-122.363	37.71604	2001.81492	0	0	0	RS-700	0.317487

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7155	-122.363	37.71603	1914.87393	0	0	0	RS-700	-0.11506
7156	-122.363	37.71603	1990.61204	0	0	0	RS-700	0.261751
7157	-122.363	37.71602	1986.11268	0	0	0	RS-700	0.239367
7158	-122.363	37.71602	2063.25143	0	0	0	RS-700	0.623141
7159	-122.363	37.71602	1980.90351	0	0	0	RS-700	0.21345
7160	-122.363	37.71602	1908.86566	0	0	0	RS-700	-0.14495
7161	-122.363	37.71602	2047.42265	0	0	0	RS-700	0.544391
7162	-122.363	37.71602	2108.27965	0	0	0	RS-700	0.847162
7163	-122.363	37.71601	2132.20369	0	0	0	RS-700	0.966188
7164	-122.363	37.71601	2053.62303	0	0	0	RS-700	0.575239
7165	-122.363	37.71601	2043.03623	0	0	0	RS-700	0.522568
7166	-122.363	37.71601	1997.50783	0	0	0	RS-700	0.296059
7167	-122.363	37.71601	2027.92404	0	0	0	RS-700	0.447383
7168	-122.363	37.716	2055.62459	0	0	0	RS-700	0.585197
7169	-122.363	37.716	2074.53305	0	0	0	RS-700	0.679269
7170	-122.363	37.716	2096.97297	0	0	0	RS-700	0.79091
7171	-122.363	37.71599	2085.5305	0	0	0	RS-700	0.733983
7172	-122.363	37.71599	2116.07128	0	0	0	RS-700	0.885927
7173	-122.363	37.71599	2117.3334	0	0	0	RS-700	0.892206
7174	-122.363	37.71598	2025.62056	0	0	0	RS-700	0.435923
7175	-122.363	37.71598	2016.62359	0	0	0	RS-700	0.391162
7176	-122.363	37.71598	1998.83098	0	0	0	RS-700	0.302642
7177	-122.363	37.71597	2053.83987	0	0	0	RS-700	0.576318
7178	-122.363	37.71597	2101.17067	0	0	0	RS-700	0.811794
7179	-122.363	37.71597	2063.3435	0	0	0	RS-700	0.6236
7180	-122.363	37.71596	2012.81921	0	0	0	RS-700	0.372235
7181	-122.363	37.71596	2122.85558	0	0	0	RS-700	0.91968
7182	-122.363	37.71596	2061.94087	0	0	0	RS-700	0.616621
7183	-122.363	37.71595	2072.74297	0	0	0	RS-700	0.670363
7184	-122.363	37.71595	2065.1515	0	0	0	RS-700	0.632595
7185	-122.363	37.71595	2027.71836	0	0	0	RS-700	0.44636
7186	-122.363	37.71594	2060.46907	0	0	0	RS-700	0.609299
7187	-122.363	37.71594	2017.41604	0	0	0	RS-700	0.395105
7188	-122.363	37.71593	2010.80943	0	0	0	RS-700	0.362236
7189	-122.363	37.71593	1996.81294	0	0	0	RS-700	0.292602
7190	-122.363	37.71593	1944.40145	0	0	0	RS-700	0.031848
7191	-122.363	37.71593	1991.11404	0	0	0	RS-700	0.264249
7192	-122.363	37.71593	1963.21049	0	0	0	RS-700	0.125425
7193	-122.363	37.71593	1969.48685	0	0	0	RS-700	0.156651
7194	-122.363	37.71593	1890.48534	0	0	0	RS-700	-0.23639
7195	-122.363	37.71592	1897.6817	0	0	0	RS-700	-0.20059
7196	-122.363	37.71592	1889.38578	0	0	0	RS-700	-0.24186
7197	-122.363	37.71592	1945.39851	0	0	0	RS-700	0.036809
7198	-122.363	37.71592	1890.5905	0	0	0	RS-700	-0.23587
7199	-122.363	37.71592	1825.1076	0	0	0	RS-700	-0.56165

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7200	-122.362	37.71592	1826.83808	0	0	0	RS-700	-0.55304
7201	-122.363	37.71592	1805.73587	0	0	0	RS-700	-0.65803
7202	-122.363	37.71592	1854.38123	0	0	0	RS-700	-0.41601
7203	-122.363	37.71592	1759.54058	0	0	0	RS-700	-0.88786
7204	-122.363	37.71592	1831.56445	0	0	0	RS-700	-0.52953
7205	-122.362	37.71591	1832.11441	0	0	0	RS-700	-0.52679
7206	-122.362	37.71591	1926.24641	0	0	0	RS-700	-0.05848
7207	-122.362	37.71591	1967.18347	0	0	0	RS-700	0.145191
7208	-122.362	37.7159	1987.82768	0	0	0	RS-700	0.247899
7209	-122.362	37.7159	1914.4903	0	0	0	RS-700	-0.11696
7210	-122.362	37.7159	1946.086	0	0	0	RS-700	0.040229
7211	-122.362	37.7159	1747.53763	0	0	0	RS-700	-0.94757
7212	-122.362	37.71589	1779.5456	0	0	0	RS-700	-0.78833
7213	-122.362	37.71589	1835.02307	0	0	0	RS-700	-0.51232
7214	-122.362	37.71589	1804.73179	0	0	0	RS-700	-0.66303
7215	-122.362	37.71588	1853.67239	0	0	0	RS-700	-0.41954
7216	-122.362	37.71588	1751.19028	0	0	0	RS-700	-0.9294
7217	-122.362	37.71587	1801.82118	0	0	0	RS-700	-0.67751
7218	-122.362	37.71587	1731.5347	0	0	0	RS-700	-1.02719
7219	-122.362	37.71587	1783.36918	0	0	0	RS-700	-0.76931
7220	-122.362	37.71586	1735.87498	0	0	0	RS-700	-1.0056
7221	-122.362	37.71586	1787.47337	0	0	0	RS-700	-0.74889
7222	-122.362	37.71585	1869.66683	0	0	0	RS-700	-0.33997
7223	-122.362	37.71585	2004.11975	0	0	0	RS-700	0.328954
7224	-122.362	37.71585	1908.6842	0	0	0	RS-700	-0.14585
7225	-122.362	37.71584	2029.72712	0	0	0	RS-700	0.456354
7226	-122.362	37.71584	1842.4732	0	0	0	RS-700	-0.47526
7227	-122.362	37.71583	1974.9046	0	0	0	RS-700	0.183605
7228	-122.362	37.71583	2000.32473	0	0	0	RS-700	0.310073
7229	-122.362	37.71582	2027.83885	0	0	0	RS-700	0.446959
7230	-122.362	37.71582	2059.83177	0	0	0	RS-700	0.606128
7231	-122.362	37.71582	2074.74184	0	0	0	RS-700	0.680308
7232	-122.362	37.71582	2058.04296	0	0	0	RS-700	0.597229
7233	-122.362	37.71581	2062.52782	0	0	0	RS-700	0.619541
7234	-122.362	37.71581	1956.90013	0	0	0	RS-700	0.09403
7235	-122.362	37.71581	2085.05911	0	0	0	RS-700	0.731637
7236	-122.362	37.71581	2063.32492	0	0	0	RS-700	0.623507
7237	-122.362	37.71581	2142.303	0	0	0	RS-700	1.016433
7238	-122.362	37.71581	2064.04648	0	0	0	RS-700	0.627097
7239	-122.362	37.7158	2061.84054	0	0	0	RS-700	0.616122
7240	-122.362	37.7158	2115.75779	0	0	0	RS-700	0.884367
7241	-122.362	37.7158	2117.74559	0	0	0	RS-700	0.894257
7242	-122.362	37.71579	2088.05906	0	0	0	RS-700	0.746562
7243	-122.362	37.71579	2073.15611	0	0	0	RS-700	0.672418
7244	-122.362	37.71579	2084.43169	0	0	0	RS-700	0.728516

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7245	-122.362	37.71578	2013.42247	0	0	0	RS-700	0.375236
7246	-122.362	37.71578	1964.90973	0	0	0	RS-700	0.133879
7247	-122.362	37.71578	2047.62784	0	0	0	RS-700	0.545412
7248	-122.362	37.71577	2038.83084	0	0	0	RS-700	0.501646
7249	-122.362	37.71577	1990.40179	0	0	0	RS-700	0.260705
7250	-122.362	37.71576	2041.03806	0	0	0	RS-700	0.512627
7251	-122.362	37.71576	2013.72071	0	0	0	RS-700	0.37672
7252	-122.362	37.71576	2073.47361	0	0	0	RS-700	0.673998
7253	-122.362	37.71575	1994.0101	0	0	0	RS-700	0.278657
7254	-122.362	37.71575	2032.62471	0	0	0	RS-700	0.47077
7255	-122.362	37.71575	1980.70862	0	0	0	RS-700	0.212481
7256	-122.362	37.71574	2001.00488	0	0	0	RS-700	0.313457
7257	-122.362	37.71574	1952.99344	0	0	0	RS-700	0.074594
7258	-122.362	37.71573	1927.59158	0	0	0	RS-700	-0.05178
7259	-122.362	37.71573	2041.83501	0	0	0	RS-700	0.516592
7260	-122.362	37.71572	2073.94518	0	0	0	RS-700	0.676344
7261	-122.362	37.71572	2001.71837	0	0	0	RS-700	0.317007
7262	-122.362	37.71572	2167.88612	0	0	0	RS-700	1.143712
7263	-122.362	37.71571	2240.36823	0	0	0	RS-700	1.50432
7264	-122.362	37.71571	2324.71554	0	0	0	RS-700	1.923958
7265	-122.362	37.71572	2320.20745	0	0	0	RS-700	1.90153
7266	-122.362	37.71571	2462.12351	0	0	0	RS-700	2.60758
7267	-122.362	37.71571	2402.86582	0	0	0	RS-700	2.312765
7268	-122.362	37.7157	2415.34798	0	0	0	RS-700	2.374866
7269	-122.362	37.7157	2381.48569	0	0	0	RS-700	2.206396
7270	-122.362	37.71569	2376.74867	0	0	0	RS-700	2.182829
7271	-122.362	37.71569	2311.47767	0	0	0	RS-700	1.858098
7272	-122.362	37.71568	2301.94221	0	0	0	RS-700	1.810658
7273	-122.362	37.71568	2221.88289	0	0	0	RS-700	1.412353
7274	-122.362	37.71567	2184.88954	0	0	0	RS-700	1.228306
7275	-122.362	37.71567	2147.66	0	0	0	RS-700	1.043085
7276	-122.362	37.71566	2262.92	0	0	0	RS-700	1.616517
7277	-122.362	37.71566	2268.82003	0	0	0	RS-700	1.645871
7278	-122.362	37.71565	2321.94524	0	0	0	RS-700	1.910175
7279	-122.362	37.71565	2436.37443	0	0	0	RS-700	2.479475
7280	-122.362	37.71565	2476.77596	0	0	0	RS-700	2.680477
7281	-122.362	37.71565	2350.8318	0	0	0	RS-700	2.05389
7282	-122.362	37.71564	2291.28256	0	0	0	RS-700	1.757625
7283	-122.362	37.71564	2422.62554	0	0	0	RS-700	2.411072
7284	-122.362	37.71564	2406.73537	0	0	0	RS-700	2.332017
7285	-122.362	37.71564	2436.27763	0	0	0	RS-700	2.478993
7286	-122.362	37.71563	2483.79524	0	0	0	RS-700	2.715399
7287	-122.362	37.71563	2312.06521	0	0	0	RS-700	1.861021
7288	-122.362	37.71563	2227.78512	0	0	0	RS-700	1.441717
7289	-122.362	37.71563	2143.44267	0	0	0	RS-700	1.022103

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7290	-122.362	37.71562	2188.99487	0	0	0	RS-700	1.248731
7291	-122.362	37.71562	2135.56305	0	0	0	RS-700	0.982901
7292	-122.362	37.71562	2200.6591	0	0	0	RS-700	1.306762
7293	-122.362	37.71563	2129.9766	0	0	0	RS-700	0.955107
7294	-122.362	37.71563	2149.86723	0	0	0	RS-700	1.054066
7295	-122.362	37.71563	2101.6342	0	0	0	RS-700	0.8141
7296	-122.362	37.71563	2102.42788	0	0	0	RS-700	0.818049
7297	-122.362	37.71563	2066.06139	0	0	0	RS-700	0.637121
7298	-122.362	37.71563	2032.83147	0	0	0	RS-700	0.471798
7299	-122.362	37.71562	1933.3071	0	0	0	RS-700	-0.02335
7300	-122.362	37.71562	2001.21065	0	0	0	RS-700	0.314481
7301	-122.362	37.71562	1877.84801	0	0	0	RS-700	-0.29926
7302	-122.362	37.71561	1987.71164	0	0	0	RS-700	0.247322
7303	-122.362	37.71561	1895.294	0	0	0	RS-700	-0.21247
7304	-122.362	37.71561	1858.57169	0	0	0	RS-700	-0.39517
7305	-122.362	37.71561	1940.30389	0	0	0	RS-700	0.011462
7306	-122.362	37.7156	1923.98834	0	0	0	RS-700	-0.06971
7307	-122.362	37.7156	1956.59958	0	0	0	RS-700	0.092535
7308	-122.362	37.7156	1898.76335	0	0	0	RS-700	-0.19521
7309	-122.362	37.71559	1915.40051	0	0	0	RS-700	-0.11244
7310	-122.362	37.71559	1961.90249	0	0	0	RS-700	0.118918
7311	-122.362	37.71559	1867.84556	0	0	0	RS-700	-0.34903
7312	-122.362	37.71559	1889.7793	0	0	0	RS-700	-0.2399
7313	-122.362	37.71559	1846.74397	0	0	0	RS-700	-0.45401
7314	-122.362	37.71558	1892.67319	0	0	0	RS-700	-0.22551
7315	-122.362	37.71558	1835.56456	0	0	0	RS-700	-0.50963
7316	-122.362	37.71558	1532.23881	0	0	0	RS-700	-2.01871
7317	-122.362	37.71558	1528.47282	0	0	0	RS-700	-2.03745
7318	-122.362	37.71558	1653.258	0	0	0	RS-700	-1.41663
7319	-122.362	37.71558	1835.84028	0	0	0	RS-700	-0.50826
7320	-122.362	37.71557	1777.72254	0	0	0	RS-700	-0.7974
7321	-122.362	37.71557	1901.37739	0	0	0	RS-700	-0.1822
7322	-122.362	37.71557	1942.7862	0	0	0	RS-700	0.023812
7323	-122.362	37.71556	1991.80893	0	0	0	RS-700	0.267706
7324	-122.362	37.71556	1926.49637	0	0	0	RS-700	-0.05723
7325	-122.362	37.71556	2035.13529	0	0	0	RS-700	0.48326
7326	-122.362	37.71555	2032.83489	0	0	0	RS-700	0.471815
7327	-122.362	37.71555	1924.48521	0	0	0	RS-700	-0.06724
7328	-122.362	37.71554	1975.51068	0	0	0	RS-700	0.18662
7329	-122.362	37.71554	1954.18718	0	0	0	RS-700	0.080533
7330	-122.362	37.71554	1876.3877	0	0	0	RS-700	-0.30653
7331	-122.362	37.71553	2031.23988	0	0	0	RS-700	0.46388
7332	-122.362	37.71553	1977.5132	0	0	0	RS-700	0.196583
7333	-122.362	37.71553	1957.31062	0	0	0	RS-700	0.096073
7334	-122.362	37.71552	2026.02347	0	0	0	RS-700	0.437928

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7335	-122.362	37.71552	2001.01407	0	0	0	RS-700	0.313503
7336	-122.362	37.71552	1989.7108	0	0	0	RS-700	0.257268
7337	-122.362	37.71551	1872.85716	0	0	0	RS-700	-0.32409
7338	-122.362	37.71551	2004.82781	0	0	0	RS-700	0.332477
7339	-122.362	37.7155	1910.0632	0	0	0	RS-700	-0.13899
7340	-122.362	37.7155	2027.73058	0	0	0	RS-700	0.446421
7341	-122.362	37.7155	1970.71532	0	0	0	RS-700	0.162763
7342	-122.362	37.71549	2083.16471	0	0	0	RS-700	0.722212
7343	-122.362	37.71549	2062.94393	0	0	0	RS-700	0.621612
7344	-122.362	37.71549	2055.26162	0	0	0	RS-700	0.583391
7345	-122.362	37.71549	1998.30803	0	0	0	RS-700	0.30004
7346	-122.362	37.71549	1977.60627	0	0	0	RS-700	0.197046
7347	-122.362	37.71548	2039.83356	0	0	0	RS-700	0.506635
7348	-122.362	37.71548	1997.9072	0	0	0	RS-700	0.298046
7349	-122.362	37.71547	1992.81275	0	0	0	RS-700	0.2727
7350	-122.362	37.71547	1885.67932	0	0	0	RS-700	-0.2603
7351	-122.362	37.71547	1979.81706	0	0	0	RS-700	0.208045
7352	-122.362	37.71546	1996.8138	0	0	0	RS-700	0.292606
7353	-122.362	37.71546	1899.78973	0	0	0	RS-700	-0.1901
7354	-122.362	37.71546	1944.69685	0	0	0	RS-700	0.033318
7355	-122.362	37.71545	1935.59484	0	0	0	RS-700	-0.01197
7356	-122.362	37.71545	1884.38937	0	0	0	RS-700	-0.26672
7357	-122.362	37.71545	1896.68156	0	0	0	RS-700	-0.20556
7358	-122.362	37.71544	1845.56399	0	0	0	RS-700	-0.45988
7359	-122.362	37.71544	1919.68382	0	0	0	RS-700	-0.09113
7360	-122.362	37.71544	1943.99823	0	0	0	RS-700	0.029842
7361	-122.362	37.71543	1890.48936	0	0	0	RS-700	-0.23637
7362	-122.362	37.71543	1943.69136	0	0	0	RS-700	0.028315
7363	-122.362	37.71543	1993.90723	0	0	0	RS-700	0.278145
7364	-122.362	37.71543	1926.69041	0	0	0	RS-700	-0.05627
7365	-122.362	37.71542	1850.02352	0	0	0	RS-700	-0.43769
7366	-122.362	37.71542	1929.6011	0	0	0	RS-700	-0.04179
7367	-122.362	37.71542	1914.49255	0	0	0	RS-700	-0.11695
7368	-122.362	37.71542	1846.56804	0	0	0	RS-700	-0.45489
7369	-122.362	37.71541	1854.03346	0	0	0	RS-700	-0.41774
7370	-122.362	37.71541	1865.57288	0	0	0	RS-700	-0.36033
7371	-122.362	37.7154	1778.25986	0	0	0	RS-700	-0.79473
7372	-122.362	37.7154	1854.56909	0	0	0	RS-700	-0.41508
7373	-122.362	37.7154	1838.65822	0	0	0	RS-700	-0.49424
7374	-122.362	37.71539	1848.56473	0	0	0	RS-700	-0.44495
7375	-122.362	37.71539	1900.58463	0	0	0	RS-700	-0.18615
7376	-122.362	37.71539	1941.79211	0	0	0	RS-700	0.018866
7377	-122.362	37.71539	1915.48494	0	0	0	RS-700	-0.11202
7378	-122.362	37.71538	1910.8797	0	0	0	RS-700	-0.13493
7379	-122.362	37.71538	1932.78881	0	0	0	RS-700	-0.02593

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7380	-122.362	37.71538	1946.30304	0	0	0	RS-700	0.041309
7381	-122.362	37.71537	1878.86343	0	0	0	RS-700	-0.29421
7382	-122.362	37.71537	1772.62456	0	0	0	RS-700	-0.82276
7383	-122.362	37.71537	1879.67067	0	0	0	RS-700	-0.2902
7384	-122.362	37.71536	1858.66448	0	0	0	RS-700	-0.3947
7385	-122.362	37.71536	1778.34015	0	0	0	RS-700	-0.79433
7386	-122.362	37.71535	1833.4683	0	0	0	RS-700	-0.52006
7387	-122.362	37.71535	1801.83022	0	0	0	RS-700	-0.67746
7388	-122.362	37.71534	1820.36816	0	0	0	RS-700	-0.58523
7389	-122.362	37.71534	1791.46611	0	0	0	RS-700	-0.72902
7390	-122.362	37.71534	1797.4627	0	0	0	RS-700	-0.69919
7391	-122.362	37.71533	1813.37402	0	0	0	RS-700	-0.62003
7392	-122.362	37.71533	1884.10698	0	0	0	RS-700	-0.26812
7393	-122.361	37.71533	1830.11063	0	0	0	RS-700	-0.53676
7394	-122.361	37.71532	1872.38892	0	0	0	RS-700	-0.32642
7395	-122.361	37.71532	1824.92079	0	0	0	RS-700	-0.56258
7396	-122.361	37.71532	1810.91495	0	0	0	RS-700	-0.63226
7397	-122.361	37.71532	1799.29525	0	0	0	RS-700	-0.69007
7398	-122.361	37.71531	1929.59286	0	0	0	RS-700	-0.04183
7399	-122.361	37.71531	1880.48966	0	0	0	RS-700	-0.28612
7400	-122.361	37.7153	1778.81019	0	0	0	RS-700	-0.79199
7401	-122.361	37.7153	1790.73071	0	0	0	RS-700	-0.73268
7402	-122.361	37.7153	1775.98899	0	0	0	RS-700	-0.80602
7403	-122.361	37.7153	1882.77022	0	0	0	RS-700	-0.27478
7404	-122.361	37.71529	1797.80977	0	0	0	RS-700	-0.69746
7405	-122.361	37.71529	1730.35912	0	0	0	RS-700	-1.03304
7406	-122.361	37.71528	1840.56342	0	0	0	RS-700	-0.48476
7407	-122.361	37.71528	1853.66825	0	0	0	RS-700	-0.41956
7408	-122.361	37.71528	1804.28193	0	0	0	RS-700	-0.66526
7409	-122.361	37.71527	1954.79639	0	0	0	RS-700	0.083564
7410	-122.361	37.71527	1804.55783	0	0	0	RS-700	-0.66389
7411	-122.361	37.71526	1750.89372	0	0	0	RS-700	-0.93088
7412	-122.361	37.71526	1821.2856	0	0	0	RS-700	-0.58067
7413	-122.361	37.71525	1714.61033	0	0	0	RS-700	-1.11139
7414	-122.361	37.71525	1740.80087	0	0	0	RS-700	-0.98109
7415	-122.361	37.71524	1735.35911	0	0	0	RS-700	-1.00816
7416	-122.361	37.71524	1760.71702	0	0	0	RS-700	-0.882
7417	-122.361	37.71523	1721.69186	0	0	0	RS-700	-1.07616
7418	-122.361	37.71523	1702.52812	0	0	0	RS-700	-1.1715
7419	-122.361	37.71523	1811.38588	0	0	0	RS-700	-0.62992
7420	-122.361	37.71522	1793.55133	0	0	0	RS-700	-0.71865
7421	-122.361	37.71522	1779.28181	0	0	0	RS-700	-0.78964
7422	-122.361	37.71522	1733.98312	0	0	0	RS-700	-1.01501
7423	-122.361	37.71522	1759.37042	0	0	0	RS-700	-0.8887
7424	-122.361	37.71521	1834.28615	0	0	0	RS-700	-0.51599

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7425	-122.361	37.71521	1846.65999	0	0	0	RS-700	-0.45443
7426	-122.361	37.71521	1855.38398	0	0	0	RS-700	-0.41102
7427	-122.361	37.7152	1925.07506	0	0	0	RS-700	-0.0643
7428	-122.361	37.7152	1886.67688	0	0	0	RS-700	-0.25534
7429	-122.361	37.7152	1845.74324	0	0	0	RS-700	-0.45899
7430	-122.361	37.7152	1885.85711	0	0	0	RS-700	-0.25942
7431	-122.361	37.71519	1831.28963	0	0	0	RS-700	-0.5309
7432	-122.361	37.71519	1776.45905	0	0	0	RS-700	-0.80369
7433	-122.361	37.71519	1885.94542	0	0	0	RS-700	-0.25898
7434	-122.361	37.71518	1913.59372	0	0	0	RS-700	-0.12142
7435	-122.361	37.71518	1899.5793	0	0	0	RS-700	-0.19115
7436	-122.361	37.71517	1888.57446	0	0	0	RS-700	-0.2459
7437	-122.361	37.71517	1970.70768	0	0	0	RS-700	0.162725
7438	-122.361	37.71517	1996.91422	0	0	0	RS-700	0.293106
7439	-122.361	37.71517	2023.6227	0	0	0	RS-700	0.425984
7440	-122.361	37.71516	1991.51361	0	0	0	RS-700	0.266237
7441	-122.361	37.71516	1954.89172	0	0	0	RS-700	0.084038
7442	-122.361	37.71516	1931.5957	0	0	0	RS-700	-0.03186
7443	-122.361	37.71515	1946.98058	0	0	0	RS-700	0.04468
7444	-122.361	37.71515	1899.48389	0	0	0	RS-700	-0.19162
7445	-122.361	37.71515	1927.97406	0	0	0	RS-700	-0.04988
7446	-122.361	37.71514	1944.08387	0	0	0	RS-700	0.030268
7447	-122.361	37.71514	1973.50352	0	0	0	RS-700	0.176634
7448	-122.361	37.71514	1876.48824	0	0	0	RS-700	-0.30603
7449	-122.361	37.71514	1977.70329	0	0	0	RS-700	0.197529
7450	-122.361	37.71513	1930.88405	0	0	0	RS-700	-0.0354
7451	-122.361	37.71513	1864.47603	0	0	0	RS-700	-0.36579
7452	-122.361	37.71513	1872.75909	0	0	0	RS-700	-0.32458
7453	-122.361	37.71513	2006.9243	0	0	0	RS-700	0.342907
7454	-122.361	37.71513	1883.57812	0	0	0	RS-700	-0.27076
7455	-122.361	37.71512	1939.98632	0	0	0	RS-700	0.009882
7456	-122.361	37.71512	1975.10464	0	0	0	RS-700	0.1846
7457	-122.361	37.71511	1890.77016	0	0	0	RS-700	-0.23497
7458	-122.361	37.71511	1827.65293	0	0	0	RS-700	-0.54899
7459	-122.361	37.71511	1818.83821	0	0	0	RS-700	-0.59284
7460	-122.361	37.71511	1982.51286	0	0	0	RS-700	0.221457
7461	-122.361	37.7151	1915.86568	0	0	0	RS-700	-0.11012
7462	-122.361	37.7151	1878.57781	0	0	0	RS-700	-0.29563
7463	-122.361	37.7151	1885.20035	0	0	0	RS-700	-0.26268
7464	-122.361	37.71509	1728.62243	0	0	0	RS-700	-1.04168
7465	-122.361	37.71509	1932.78771	0	0	0	RS-700	-0.02593
7466	-122.361	37.71509	1899.68287	0	0	0	RS-700	-0.19063
7467	-122.361	37.71508	1863.47625	0	0	0	RS-700	-0.37076
7468	-122.361	37.71508	1892.48484	0	0	0	RS-700	-0.22644
7469	-122.361	37.71507	1868.01861	0	0	0	RS-700	-0.34817



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7470	-122.361	37.71507	1919.49035	0	0	0	RS-700	-0.09209
7471	-122.361	37.71506	1891.69369	0	0	0	RS-700	-0.23038
7472	-122.361	37.71506	1778.72457	0	0	0	RS-700	-0.79242
7473	-122.361	37.71506	1897.67138	0	0	0	RS-700	-0.20064
7474	-122.361	37.71505	1859.3837	0	0	0	RS-700	-0.39113
7475	-122.361	37.71505	1981.01251	0	0	0	RS-700	0.213993
7476	-122.361	37.71505	1915.59694	0	0	0	RS-700	-0.11146
7477	-122.361	37.71505	1907.19873	0	0	0	RS-700	-0.15324
7478	-122.361	37.71504	1907.59188	0	0	0	RS-700	-0.15128
7479	-122.361	37.71504	1848.56944	0	0	0	RS-700	-0.44493
7480	-122.361	37.71504	1846.02854	0	0	0	RS-700	-0.45757
7481	-122.361	37.71503	1866.67674	0	0	0	RS-700	-0.35484
7482	-122.361	37.71503	1816.56206	0	0	0	RS-700	-0.60417
7483	-122.361	37.71502	1826.0135	0	0	0	RS-700	-0.55715
7484	-122.361	37.71502	1699.86192	0	0	0	RS-700	-1.18477
7485	-122.361	37.71502	1818.56612	0	0	0	RS-700	-0.5942
7486	-122.361	37.71501	1729.80545	0	0	0	RS-700	-1.03579
7487	-122.361	37.71501	1704.26721	0	0	0	RS-700	-1.16285
7488	-122.361	37.715	1329.61267	0	0	0	RS-700	-3.0268
7489	-122.361	37.715	1059.06141	0	0	0	RS-700	-4.37283
7490	-122.361	37.715	1193.12682	0	0	0	RS-700	-3.70584
7491	-122.361	37.715	1749.97804	0	0	0	RS-700	-0.93543
7492	-122.361	37.71499	1932.60205	0	0	0	RS-700	-0.02686
7493	-122.361	37.71499	1938.49854	0	0	0	RS-700	0.00248
7494	-122.361	37.71498	1816.46849	0	0	0	RS-700	-0.60463
7495	-122.361	37.71498	1888.96222	0	0	0	RS-700	-0.24397
7496	-122.361	37.71497	1879.04668	0	0	0	RS-700	-0.2933
7497	-122.361	37.71497	1916.16326	0	0	0	RS-700	-0.10864
7498	-122.361	37.71497	1936.10812	0	0	0	RS-700	-0.00941
7499	-122.361	37.71496	1920.69087	0	0	0	RS-700	-0.08612
7500	-122.361	37.71496	1829.74556	0	0	0	RS-700	-0.53858
7501	-122.361	37.71496	1833.2948	0	0	0	RS-700	-0.52092
7502	-122.361	37.71495	1779.53868	0	0	0	RS-700	-0.78836
7503	-122.361	37.71495	1852.38981	0	0	0	RS-700	-0.42592
7504	-122.361	37.71495	1901.15476	0	0	0	RS-700	-0.18331
7505	-122.361	37.71494	1918.86532	0	0	0	RS-700	-0.0952
7506	-122.361	37.71494	1936.59903	0	0	0	RS-700	-0.00697
7507	-122.361	37.71494	2012.51685	0	0	0	RS-700	0.370731
7508	-122.361	37.71494	1992.1132	0	0	0	RS-700	0.26922
7509	-122.361	37.71494	1955.60223	0	0	0	RS-700	0.087573
7510	-122.361	37.71493	1922.58298	0	0	0	RS-700	-0.0767
7511	-122.361	37.71493	2025.92835	0	0	0	RS-700	0.437454
7512	-122.361	37.71492	1973.98839	0	0	0	RS-700	0.179047
7513	-122.361	37.71492	1959.89661	0	0	0	RS-700	0.108938
7514	-122.361	37.71492	2046.52503	0	0	0	RS-700	0.539926

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7515	-122.361	37.71491	1891.37782	0	0	0	RS-700	-0.23195
7516	-122.361	37.71491	1952.89345	0	0	0	RS-700	0.074097
7517	-122.361	37.7149	2076.85574	0	0	0	RS-700	0.690825
7518	-122.361	37.7149	2111.22552	0	0	0	RS-700	0.861819
7519	-122.361	37.7149	2068.94028	0	0	0	RS-700	0.651444
7520	-122.361	37.71489	2005.41479	0	0	0	RS-700	0.335397
7521	-122.361	37.71489	1889.58061	0	0	0	RS-700	-0.24089
7522	-122.361	37.71489	1994.40963	0	0	0	RS-700	0.280645
7523	-122.361	37.71488	2005.61816	0	0	0	RS-700	0.336409
7524	-122.361	37.71488	2075.95027	0	0	0	RS-700	0.68632
7525	-122.361	37.71488	1935.88178	0	0	0	RS-700	-0.01054
7526	-122.361	37.71487	2043.94308	0	0	0	RS-700	0.52708
7527	-122.361	37.71487	2064.00429	0	0	0	RS-700	0.626887
7528	-122.361	37.71487	1972.90892	0	0	0	RS-700	0.173676
7529	-122.361	37.71486	1988.61173	0	0	0	RS-700	0.2518
7530	-122.361	37.71486	1972.70485	0	0	0	RS-700	0.172661
7531	-122.361	37.71486	1910.58921	0	0	0	RS-700	-0.13637
7532	-122.361	37.71485	1937.48519	0	0	0	RS-700	-0.00256
7533	-122.361	37.71485	2067.63113	0	0	0	RS-700	0.644931
7534	-122.361	37.71485	1992.41444	0	0	0	RS-700	0.270719
7535	-122.361	37.71484	2041.9329	0	0	0	RS-700	0.517079
7536	-122.361	37.71484	2005.11948	0	0	0	RS-700	0.333928
7537	-122.361	37.71484	1893.49654	0	0	0	RS-700	-0.22141
7538	-122.361	37.71483	1839.38102	0	0	0	RS-700	-0.49064
7539	-122.361	37.71483	1951.3072	0	0	0	RS-700	0.066205
7540	-122.361	37.71482	1915.59762	0	0	0	RS-700	-0.11145
7541	-122.361	37.71482	1933.17471	0	0	0	RS-700	-0.02401
7542	-122.361	37.71482	1915.48203	0	0	0	RS-700	-0.11203
7543	-122.361	37.71481	1828.01838	0	0	0	RS-700	-0.54717
7544	-122.361	37.71481	1784.46093	0	0	0	RS-700	-0.76388
7545	-122.361	37.7148	1912.78475	0	0	0	RS-700	-0.12545
7546	-122.361	37.7148	1892.39218	0	0	0	RS-700	-0.2269
7547	-122.361	37.71479	1820.55881	0	0	0	RS-700	-0.58428
7548	-122.361	37.71479	1866.49032	0	0	0	RS-700	-0.35577
7549	-122.361	37.71478	1889.76096	0	0	0	RS-700	-0.24
7550	-122.361	37.71478	1998.61596	0	0	0	RS-700	0.301572
7551	-122.361	37.71478	1905.68149	0	0	0	RS-700	-0.16079
7552	-122.361	37.71477	1940.88716	0	0	0	RS-700	0.014364
7553	-122.361	37.71477	1982.6111	0	0	0	RS-700	0.221946
7554	-122.361	37.71476	1910.87252	0	0	0	RS-700	-0.13496
7555	-122.361	37.71476	1847.94076	0	0	0	RS-700	-0.44806
7556	-122.361	37.71476	1885.86224	0	0	0	RS-700	-0.25939
7557	-122.361	37.71476	1894.15075	0	0	0	RS-700	-0.21816
7558	-122.361	37.71476	1976.30901	0	0	0	RS-700	0.190592
7559	-122.361	37.71476	1939.69463	0	0	0	RS-700	0.008431

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7560	-122.361	37.71476	1984.79841	0	0	0	RS-700	0.232828
7561	-122.361	37.71476	1958.40491	0	0	0	RS-700	0.101517
7562	-122.361	37.71476	1915.97748	0	0	0	RS-700	-0.10956
7563	-122.361	37.71476	1937.49962	0	0	0	RS-700	-0.00249
7564	-122.361	37.71476	1984.51191	0	0	0	RS-700	0.231403
7565	-122.361	37.71475	1978.81862	0	0	0	RS-700	0.203078
7566	-122.361	37.71475	1946.79279	0	0	0	RS-700	0.043745
7567	-122.36	37.71475	1933.89046	0	0	0	RS-700	-0.02045
7568	-122.36	37.71475	1928.50188	0	0	0	RS-700	-0.04725
7569	-122.36	37.71474	1875.76652	0	0	0	RS-700	-0.30962
7570	-122.36	37.71474	1897.58497	0	0	0	RS-700	-0.20107
7571	-122.36	37.71474	1971.70576	0	0	0	RS-700	0.16769
7572	-122.36	37.71473	1918.30298	0	0	0	RS-700	-0.098
7573	-122.36	37.71473	1789.81361	0	0	0	RS-700	-0.73725
7574	-122.36	37.71472	1906.48886	0	0	0	RS-700	-0.15677
7575	-122.36	37.71472	1831.57238	0	0	0	RS-700	-0.52949
7576	-122.36	37.71472	1807.0767	0	0	0	RS-700	-0.65136
7577	-122.36	37.71471	1873.32925	0	0	0	RS-700	-0.32175
7578	-122.36	37.71471	1877.57141	0	0	0	RS-700	-0.30064
7579	-122.36	37.7147	1852.57113	0	0	0	RS-700	-0.42502
7580	-122.36	37.7147	1894.57888	0	0	0	RS-700	-0.21603
7581	-122.36	37.7147	1922.2673	0	0	0	RS-700	-0.07827
7582	-122.36	37.71469	1940.89116	0	0	0	RS-700	0.014384
7583	-122.36	37.71469	1905.49338	0	0	0	RS-700	-0.16172
7584	-122.36	37.71468	1999.41407	0	0	0	RS-700	0.305543
7585	-122.36	37.71468	1817.55517	0	0	0	RS-700	-0.59923
7586	-122.36	37.71468	1843.38104	0	0	0	RS-700	-0.47074
7587	-122.36	37.71467	1712.09665	0	0	0	RS-700	-1.1239
7588	-122.36	37.71467	1845.47269	0	0	0	RS-700	-0.46033
7589	-122.36	37.71466	1849.37957	0	0	0	RS-700	-0.4409
7590	-122.36	37.71466	1922.68594	0	0	0	RS-700	-0.07619
7591	-122.36	37.71466	1988.50892	0	0	0	RS-700	0.251288
7592	-122.36	37.71465	1929.88297	0	0	0	RS-700	-0.04038
7593	-122.36	37.71465	1988.0084	0	0	0	RS-700	0.248798
7594	-122.36	37.71465	1920.7774	0	0	0	RS-700	-0.08568
7595	-122.36	37.71464	1856.75737	0	0	0	RS-700	-0.40419
7596	-122.36	37.71464	1886.58093	0	0	0	RS-700	-0.25582
7597	-122.36	37.71464	1903.58555	0	0	0	RS-700	-0.17122
7598	-122.36	37.71463	1901.58319	0	0	0	RS-700	-0.18118
7599	-122.36	37.71463	1845.56599	0	0	0	RS-700	-0.45987
7600	-122.36	37.71463	1823.01237	0	0	0	RS-700	-0.57208
7601	-122.36	37.71463	1829.7451	0	0	0	RS-700	-0.53858
7602	-122.36	37.71462	1812.74873	0	0	0	RS-700	-0.62314
7603	-122.36	37.71462	1818.83566	0	0	0	RS-700	-0.59286
7604	-122.36	37.71462	1710.71022	0	0	0	RS-700	-1.13079

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7605	-122.36	37.71462	1786.8269	0	0	0	RS-700	-0.7521
7606	-122.36	37.71461	1727.43625	0	0	0	RS-700	-1.04758
7607	-122.36	37.71461	1735.88091	0	0	0	RS-700	-1.00557
7608	-122.36	37.71461	1819.56471	0	0	0	RS-700	-0.58923
7609	-122.36	37.71461	1783.64544	0	0	0	RS-700	-0.76793
7610	-122.36	37.71461	1819.5679	0	0	0	RS-700	-0.58921
7611	-122.36	37.71461	1890.39524	0	0	0	RS-700	-0.23684
7612	-122.36	37.7146	1848.74626	0	0	0	RS-700	-0.44405
7613	-122.36	37.7146	1832.93543	0	0	0	RS-700	-0.52271
7614	-122.36	37.7146	1829.84096	0	0	0	RS-700	-0.5381
7615	-122.36	37.71459	1925.97648	0	0	0	RS-700	-0.05982
7616	-122.36	37.71459	1961.39771	0	0	0	RS-700	0.116407
7617	-122.36	37.71459	1961.89489	0	0	0	RS-700	0.11888
7618	-122.36	37.71459	1892.86744	0	0	0	RS-700	-0.22454
7619	-122.36	37.71459	1989.8084	0	0	0	RS-700	0.257753
7620	-122.36	37.71458	1929.20411	0	0	0	RS-700	-0.04376
7621	-122.36	37.71458	1888.48723	0	0	0	RS-700	-0.24633
7622	-122.36	37.71457	1890.67617	0	0	0	RS-700	-0.23544
7623	-122.36	37.71457	1833.83995	0	0	0	RS-700	-0.51821
7624	-122.36	37.71457	1880.0467	0	0	0	RS-700	-0.28832
7625	-122.36	37.71457	1858.66381	0	0	0	RS-700	-0.39471
7626	-122.36	37.71457	1789.28055	0	0	0	RS-700	-0.7399
7627	-122.36	37.71457	1811.37508	0	0	0	RS-700	-0.62997
7628	-122.36	37.71457	1878.76743	0	0	0	RS-700	-0.29469
7629	-122.36	37.71457	1986.01327	0	0	0	RS-700	0.238872
7630	-122.36	37.71457	1775.73092	0	0	0	RS-700	-0.80731
7631	-122.36	37.71457	1881.764	0	0	0	RS-700	-0.27978
7632	-122.36	37.71457	1888.4864	0	0	0	RS-700	-0.24634
7633	-122.36	37.71457	1830.7324	0	0	0	RS-700	-0.53367
7634	-122.36	37.71457	1880.77402	0	0	0	RS-700	-0.28471
7635	-122.36	37.71457	1910.20181	0	0	0	RS-700	-0.1383
7636	-122.36	37.71457	1846.66187	0	0	0	RS-700	-0.45442
7637	-122.36	37.71457	1897.86841	0	0	0	RS-700	-0.19966
7638	-122.36	37.71457	1729.4327	0	0	0	RS-700	-1.03765
7639	-122.36	37.71457	1803.37175	0	0	0	RS-700	-0.66979
7640	-122.36	37.71457	1910.4938	0	0	0	RS-700	-0.13685
7641	-122.36	37.71457	1848.29203	0	0	0	RS-700	-0.44631
7642	-122.36	37.71457	1890.49443	0	0	0	RS-700	-0.23635
7643	-122.36	37.71457	1792.73227	0	0	0	RS-700	-0.72273
7644	-122.36	37.71457	1760.80387	0	0	0	RS-700	-0.88157
7645	-122.36	37.71457	1857.57671	0	0	0	RS-700	-0.40012
7646	-122.36	37.71457	1853.38563	0	0	0	RS-700	-0.42097
7647	-122.36	37.71457	1848.47157	0	0	0	RS-700	-0.44542
7648	-122.36	37.71457	1802.81705	0	0	0	RS-700	-0.67255
7649	-122.36	37.71457	1875.76449	0	0	0	RS-700	-0.30963

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7650	-122.36	37.71457	1913.68197	0	0	0	RS-700	-0.12099
7651	-122.36	37.71457	1800.45736	0	0	0	RS-700	-0.68429
7652	-122.36	37.71457	1810.46641	0	0	0	RS-700	-0.6345
7653	-122.36	37.71456	1902.7786	0	0	0	RS-700	-0.17523
7654	-122.36	37.71456	1830.54941	0	0	0	RS-700	-0.53458
7655	-122.36	37.71456	1880.86514	0	0	0	RS-700	-0.28425
7656	-122.36	37.71455	1913.87254	0	0	0	RS-700	-0.12004
7657	-122.36	37.71455	1936.88926	0	0	0	RS-700	-0.00553
7658	-122.36	37.71455	1883.75659	0	0	0	RS-700	-0.26987
7659	-122.36	37.71454	1838.78059	0	0	0	RS-700	-0.49363
7660	-122.36	37.71454	1878.57732	0	0	0	RS-700	-0.29564
7661	-122.36	37.71454	1854.47297	0	0	0	RS-700	-0.41556
7662	-122.36	37.71454	1940.59653	0	0	0	RS-700	0.012918
7663	-122.36	37.71453	1880.48175	0	0	0	RS-700	-0.28616
7664	-122.36	37.71453	1874.57702	0	0	0	RS-700	-0.31554
7665	-122.36	37.71453	1861.19904	0	0	0	RS-700	-0.38209
7666	-122.36	37.71452	1882.14335	0	0	0	RS-700	-0.27789
7667	-122.36	37.71452	1902.29892	0	0	0	RS-700	-0.17762
7668	-122.36	37.71452	1840.21665	0	0	0	RS-700	-0.48648
7669	-122.36	37.71451	1876.57803	0	0	0	RS-700	-0.30558
7670	-122.36	37.71451	1885.04155	0	0	0	RS-700	-0.26347
7671	-122.36	37.71451	1827.83503	0	0	0	RS-700	-0.54808
7672	-122.36	37.7145	1821.56231	0	0	0	RS-700	-0.57929
7673	-122.36	37.7145	1830.56282	0	0	0	RS-700	-0.53451
7674	-122.36	37.7145	1928.57709	0	0	0	RS-700	-0.04688
7675	-122.36	37.7145	1799.73007	0	0	0	RS-700	-0.68791
7676	-122.36	37.7145	1855.47846	0	0	0	RS-700	-0.41055
7677	-122.36	37.7145	1885.76931	0	0	0	RS-700	-0.25985
7678	-122.36	37.7145	1815.46731	0	0	0	RS-700	-0.60962
7679	-122.36	37.7145	1910.58771	0	0	0	RS-700	-0.13638
7680	-122.36	37.7145	1794.72811	0	0	0	RS-700	-0.7128
7681	-122.36	37.7145	1842.75234	0	0	0	RS-700	-0.47387
7682	-122.36	37.71449	1820.83418	0	0	0	RS-700	-0.58291
7683	-122.36	37.71449	1891.96384	0	0	0	RS-700	-0.22904
7684	-122.36	37.71448	1766.07363	0	0	0	RS-700	-0.85536
7685	-122.36	37.71448	1890.34086	0	0	0	RS-700	-0.23711
7686	-122.36	37.71448	1755.62309	0	0	0	RS-700	-0.90735
7687	-122.36	37.71448	1757.82472	0	0	0	RS-700	-0.89639
7688	-122.36	37.71447	1674.68258	0	0	0	RS-700	-1.31004
7689	-122.36	37.71447	1769.45789	0	0	0	RS-700	-0.83852
7690	-122.36	37.71447	1773.81285	0	0	0	RS-700	-0.81685
7691	-122.36	37.71446	1759.53802	0	0	0	RS-700	-0.88787
7692	-122.36	37.71446	1841.03839	0	0	0	RS-700	-0.4824
7693	-122.36	37.71446	1840.65808	0	0	0	RS-700	-0.48429
7694	-122.36	37.71445	1757.80374	0	0	0	RS-700	-0.8965

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7695	-122.36	37.71445	1719.18537	0	0	0	RS-700	-1.08863
7696	-122.36	37.71445	1782.63896	0	0	0	RS-700	-0.77294
7697	-122.36	37.71444	1811.62337	0	0	0	RS-700	-0.62874
7698	-122.36	37.71444	1815.47561	0	0	0	RS-700	-0.60957
7699	-122.36	37.71443	1802.9163	0	0	0	RS-700	-0.67206
7700	-122.36	37.71443	1855.19715	0	0	0	RS-700	-0.41195
7701	-122.36	37.71442	1838.38106	0	0	0	RS-700	-0.49562
7702	-122.36	37.71442	1824.73629	0	0	0	RS-700	-0.5635
7703	-122.36	37.71442	1777.55177	0	0	0	RS-700	-0.79825
7704	-122.36	37.71442	1755.45197	0	0	0	RS-700	-0.9082
7705	-122.36	37.71442	1874.57546	0	0	0	RS-700	-0.31554
7706	-122.36	37.71442	1758.36438	0	0	0	RS-700	-0.89371
7707	-122.36	37.71442	1850.85622	0	0	0	RS-700	-0.43355
7708	-122.36	37.71442	1782.54683	0	0	0	RS-700	-0.7734
7709	-122.36	37.71442	1831.47062	0	0	0	RS-700	-0.53
7710	-122.36	37.71443	1846.12318	0	0	0	RS-700	-0.4571
7711	-122.36	37.71443	1899.97217	0	0	0	RS-700	-0.18919
7712	-122.36	37.71443	1906.38896	0	0	0	RS-700	-0.15727
7713	-122.36	37.71444	1810.93221	0	0	0	RS-700	-0.63218
7714	-122.36	37.71444	1810.55354	0	0	0	RS-700	-0.63406
7715	-122.36	37.71444	1805.37473	0	0	0	RS-700	-0.65983
7716	-122.36	37.71444	1795.46733	0	0	0	RS-700	-0.70912
7717	-122.36	37.71445	1756.55246	0	0	0	RS-700	-0.90272
7718	-122.36	37.71445	1745.44911	0	0	0	RS-700	-0.95796
7719	-122.36	37.71444	1792.46413	0	0	0	RS-700	-0.72406
7720	-122.36	37.71444	1774.55132	0	0	0	RS-700	-0.81318
7721	-122.36	37.71444	1854.20496	0	0	0	RS-700	-0.41689
7722	-122.36	37.71444	1868.85747	0	0	0	RS-700	-0.34399
7723	-122.36	37.71443	1792.56056	0	0	0	RS-700	-0.72358
7724	-122.36	37.71443	1847.57308	0	0	0	RS-700	-0.44989
7725	-122.36	37.71442	1795.55262	0	0	0	RS-700	-0.70869
7726	-122.36	37.71442	1896.39088	0	0	0	RS-700	-0.20701
7727	-122.36	37.71442	1910.7802	0	0	0	RS-700	-0.13542
7728	-122.36	37.71441	1776.45565	0	0	0	RS-700	-0.8037
7729	-122.36	37.71441	1749.18104	0	0	0	RS-700	-0.9394
7730	-122.36	37.71441	1803.37342	0	0	0	RS-700	-0.66978
7731	-122.36	37.7144	1832.02438	0	0	0	RS-700	-0.52724
7732	-122.36	37.7144	1805.55383	0	0	0	RS-700	-0.65894
7733	-122.36	37.7144	1786.81643	0	0	0	RS-700	-0.75216
7734	-122.36	37.7144	1783.6243	0	0	0	RS-700	-0.76804
7735	-122.36	37.7144	1843.47201	0	0	0	RS-700	-0.47029
7736	-122.36	37.71439	1673.67811	0	0	0	RS-700	-1.31503
7737	-122.36	37.71439	1756.6245	0	0	0	RS-700	-0.90237
7738	-122.36	37.71438	1861.47924	0	0	0	RS-700	-0.3807
7739	-122.36	37.71438	1806.64852	0	0	0	RS-700	-0.65349

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7740	-122.36	37.71438	1788.74044	0	0	0	RS-700	-0.74258
7741	-122.36	37.71437	1725.61928	0	0	0	RS-700	-1.05662
7742	-122.36	37.71437	1790.64297	0	0	0	RS-700	-0.73312
7743	-122.36	37.71437	1793.65332	0	0	0	RS-700	-0.71814
7744	-122.36	37.71436	1873.38311	0	0	0	RS-700	-0.32148
7745	-122.36	37.71436	1881.57917	0	0	0	RS-700	-0.2807
7746	-122.36	37.71436	1806.55378	0	0	0	RS-700	-0.65396
7747	-122.36	37.71435	1850.66125	0	0	0	RS-700	-0.43452
7748	-122.36	37.71435	1813.47311	0	0	0	RS-700	-0.61954
7749	-122.36	37.71435	1867.39224	0	0	0	RS-700	-0.35128
7750	-122.36	37.71435	1798.46584	0	0	0	RS-700	-0.6942
7751	-122.36	37.71435	1738.04451	0	0	0	RS-700	-0.9948
7752	-122.36	37.71435	1831.76272	0	0	0	RS-700	-0.52854
7753	-122.36	37.71435	1763.72213	0	0	0	RS-700	-0.86705
7754	-122.36	37.71435	1853.94284	0	0	0	RS-700	-0.41819
7755	-122.36	37.71434	1758.36404	0	0	0	RS-700	-0.89371
7756	-122.36	37.71434	1849.76018	0	0	0	RS-700	-0.439
7757	-122.36	37.71435	1807.73719	0	0	0	RS-700	-0.64807
7758	-122.36	37.71435	1836.55766	0	0	0	RS-700	-0.50469
7759	-122.36	37.71435	1841.85859	0	0	0	RS-700	-0.47832
7760	-122.36	37.71435	1871.38715	0	0	0	RS-700	-0.33141
7761	-122.36	37.71435	1801.17203	0	0	0	RS-700	-0.68074
7762	-122.36	37.71435	1849.29197	0	0	0	RS-700	-0.44133
7763	-122.36	37.71435	1848.76406	0	0	0	RS-700	-0.44396
7764	-122.36	37.71435	1866.66994	0	0	0	RS-700	-0.35488
7765	-122.36	37.71435	1821.83977	0	0	0	RS-700	-0.57791
7766	-122.36	37.71435	1790.54988	0	0	0	RS-700	-0.73358
7767	-122.36	37.71435	1859.66144	0	0	0	RS-700	-0.38974
7768	-122.36	37.71436	1831.47296	0	0	0	RS-700	-0.52999
7769	-122.36	37.71436	1716.95105	0	0	0	RS-700	-1.09975
7770	-122.36	37.71436	1818.55896	0	0	0	RS-700	-0.59423
7771	-122.36	37.71436	1822.74314	0	0	0	RS-700	-0.57342
7772	-122.36	37.71437	1767.71997	0	0	0	RS-700	-0.84716
7773	-122.36	37.71437	1779.5548	0	0	0	RS-700	-0.78828
7774	-122.36	37.71437	1728.35745	0	0	0	RS-700	-1.043
7775	-122.36	37.71437	1727.35734	0	0	0	RS-700	-1.04797
7776	-122.36	37.71438	1810.28465	0	0	0	RS-700	-0.6354
7777	-122.36	37.71438	1785.72757	0	0	0	RS-700	-0.75757
7778	-122.36	37.71438	1791.55404	0	0	0	RS-700	-0.72859
7779	-122.36	37.71439	1832.65267	0	0	0	RS-700	-0.52412
7780	-122.36	37.71439	1862.23658	0	0	0	RS-700	-0.37693
7781	-122.36	37.7144	1776.18863	0	0	0	RS-700	-0.80503
7782	-122.36	37.7144	1807.91781	0	0	0	RS-700	-0.64718
7783	-122.36	37.71441	1836.93399	0	0	0	RS-700	-0.50282
7784	-122.36	37.71441	1861.47744	0	0	0	RS-700	-0.38071

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7785	-122.36	37.71442	1789.99235	0	0	0	RS-700	-0.73636
7786	-122.36	37.71442	1818.65167	0	0	0	RS-700	-0.59377
7787	-122.36	37.71443	1739.09792	0	0	0	RS-700	-0.98956
7788	-122.36	37.71443	1867.0382	0	0	0	RS-700	-0.35304
7789	-122.36	37.71443	1837.63587	0	0	0	RS-700	-0.49932
7790	-122.36	37.71444	1836.65351	0	0	0	RS-700	-0.50421
7791	-122.36	37.71444	1853.47347	0	0	0	RS-700	-0.42053
7792	-122.36	37.71445	1742.62184	0	0	0	RS-700	-0.97203
7793	-122.36	37.71445	1867.8538	0	0	0	RS-700	-0.34899
7794	-122.36	37.71446	1879.38917	0	0	0	RS-700	-0.2916
7795	-122.36	37.71446	1931.81045	0	0	0	RS-700	-0.03079
7796	-122.36	37.71447	1866.76099	0	0	0	RS-700	-0.35442
7797	-122.36	37.71447	1863.65926	0	0	0	RS-700	-0.36985
7798	-122.36	37.71448	1826.46715	0	0	0	RS-700	-0.55489
7799	-122.36	37.71448	1824.37847	0	0	0	RS-700	-0.56528
7800	-122.36	37.71449	1905.40364	0	0	0	RS-700	-0.16217
7801	-122.36	37.71449	1899.96601	0	0	0	RS-700	-0.18922
7802	-122.36	37.71449	1784.46151	0	0	0	RS-700	-0.76387
7803	-122.36	37.7145	1929.69074	0	0	0	RS-700	-0.04134
7804	-122.36	37.7145	1913.57608	0	0	0	RS-700	-0.12151
7805	-122.36	37.7145	2004.01411	0	0	0	RS-700	0.328428
7806	-122.36	37.7145	1839.84847	0	0	0	RS-700	-0.48832
7807	-122.36	37.7145	1942.79249	0	0	0	RS-700	0.023843
7808	-122.36	37.71451	1889.39308	0	0	0	RS-700	-0.24183
7809	-122.36	37.71451	1860.22073	0	0	0	RS-700	-0.38696
7810	-122.36	37.71451	1937.30069	0	0	0	RS-700	-0.00348
7811	-122.36	37.71452	1888.67786	0	0	0	RS-700	-0.24538
7812	-122.36	37.71452	1917.49484	0	0	0	RS-700	-0.10202
7813	-122.36	37.71453	1948.58339	0	0	0	RS-700	0.052654
7814	-122.36	37.71453	1909.30308	0	0	0	RS-700	-0.14277
7815	-122.36	37.71454	1921.39753	0	0	0	RS-700	-0.0826
7816	-122.36	37.71454	1873.48135	0	0	0	RS-700	-0.32099
7817	-122.36	37.71454	1869.76177	0	0	0	RS-700	-0.33949
7818	-122.36	37.71455	1883.58414	0	0	0	RS-700	-0.27073
7819	-122.36	37.71455	1894.15045	0	0	0	RS-700	-0.21816
7820	-122.36	37.71455	1879.57783	0	0	0	RS-700	-0.29066
7821	-122.36	37.71455	1927.30465	0	0	0	RS-700	-0.05321
7822	-122.36	37.71455	1930.39962	0	0	0	RS-700	-0.03781
7823	-122.36	37.71455	1833.48289	0	0	0	RS-700	-0.51999
7824	-122.36	37.71455	1834.85127	0	0	0	RS-700	-0.51318
7825	-122.36	37.71455	1926.69609	0	0	0	RS-700	-0.05624
7826	-122.36	37.71455	1953.2145	0	0	0	RS-700	0.075694
7827	-122.36	37.71456	1967.50668	0	0	0	RS-700	0.146799
7828	-122.36	37.71456	1873.57893	0	0	0	RS-700	-0.3205
7829	-122.36	37.71456	1971.70756	0	0	0	RS-700	0.167699



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7830	-122.36	37.71457	1919.69055	0	0	0	RS-700	-0.09109
7831	-122.36	37.71457	2017.71627	0	0	0	RS-700	0.396598
7832	-122.36	37.71457	2066.74067	0	0	0	RS-700	0.640501
7833	-122.36	37.71457	1981.80979	0	0	0	RS-700	0.217959
7834	-122.36	37.71458	1925.68331	0	0	0	RS-700	-0.06128
7835	-122.36	37.71458	1890.48696	0	0	0	RS-700	-0.23638
7836	-122.36	37.71458	1882.67248	0	0	0	RS-700	-0.27526
7837	-122.36	37.71458	1391.06839	0	0	0	RS-700	-2.72105
7838	-122.36	37.71458	1597.28105	0	0	0	RS-700	-1.69512
7839	-122.36	37.71459	1902.29489	0	0	0	RS-700	-0.17764
7840	-122.36	37.71459	1844.55945	0	0	0	RS-700	-0.46488
7841	-122.36	37.7146	1893.68887	0	0	0	RS-700	-0.22045
7842	-122.36	37.7146	1915.69203	0	0	0	RS-700	-0.11098
7843	-122.36	37.71461	1873.57753	0	0	0	RS-700	-0.32051
7844	-122.36	37.71462	1935.49575	0	0	0	RS-700	-0.01246
7845	-122.36	37.71462	1919.79032	0	0	0	RS-700	-0.0906
7846	-122.36	37.71463	1980.41127	0	0	0	RS-700	0.211001
7847	-122.36	37.71463	1912.97352	0	0	0	RS-700	-0.12451
7848	-122.36	37.71464	1899.39282	0	0	0	RS-700	-0.19208
7849	-122.36	37.71464	1871.58704	0	0	0	RS-700	-0.33041
7850	-122.36	37.71465	1834.84128	0	0	0	RS-700	-0.51323
7851	-122.36	37.71465	1823.37863	0	0	0	RS-700	-0.57026
7852	-122.36	37.71465	1866.85273	0	0	0	RS-700	-0.35397
7853	-122.36	37.71465	1961.50381	0	0	0	RS-700	0.116934
7854	-122.36	37.71465	1895.15144	0	0	0	RS-700	-0.21318
7855	-122.36	37.71465	1848.29059	0	0	0	RS-700	-0.44632
7856	-122.36	37.71465	1906.87166	0	0	0	RS-700	-0.15487
7857	-122.36	37.71465	1925.2921	0	0	0	RS-700	-0.06322
7858	-122.36	37.71465	2005.52302	0	0	0	RS-700	0.335935
7859	-122.36	37.71465	1883.66891	0	0	0	RS-700	-0.2703
7860	-122.36	37.71465	1924.58344	0	0	0	RS-700	-0.06675
7861	-122.36	37.71465	1935.98414	0	0	0	RS-700	-0.01003
7862	-122.36	37.71465	1891.2981	0	0	0	RS-700	-0.23235
7863	-122.36	37.71466	1968.71143	0	0	0	RS-700	0.152793
7864	-122.36	37.71466	1962.79992	0	0	0	RS-700	0.123383
7865	-122.36	37.71467	1897.49448	0	0	0	RS-700	-0.20152
7866	-122.36	37.71467	1925.87563	0	0	0	RS-700	-0.06032
7867	-122.36	37.71468	1885.58028	0	0	0	RS-700	-0.26079
7868	-122.36	37.71469	1879.58888	0	0	0	RS-700	-0.2906
7869	-122.36	37.71469	1922.30395	0	0	0	RS-700	-0.07809
7870	-122.36	37.7147	1922.68177	0	0	0	RS-700	-0.07621
7871	-122.36	37.71471	1956.60294	0	0	0	RS-700	0.092552
7872	-122.36	37.71471	1833.56589	0	0	0	RS-700	-0.51957
7873	-122.36	37.71471	1947.60007	0	0	0	RS-700	0.047762
7874	-122.36	37.71472	1859.75764	0	0	0	RS-700	-0.38927

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7875	-122.36	37.71472	1935.90107	0	0	0	RS-700	-0.01044
7876	-122.36	37.71473	1904.96733	0	0	0	RS-700	-0.16434
7877	-122.36	37.71473	1970.60771	0	0	0	RS-700	0.162227
7878	-122.361	37.71473	1871.67528	0	0	0	RS-700	-0.32997
7879	-122.361	37.71473	1872.85606	0	0	0	RS-700	-0.3241
7880	-122.361	37.71473	1932.08131	0	0	0	RS-700	-0.02945
7881	-122.361	37.71473	2048.73405	0	0	0	RS-700	0.550916
7882	-122.361	37.71474	1939.47996	0	0	0	RS-700	0.007363
7883	-122.361	37.71474	1941.08442	0	0	0	RS-700	0.015345
7884	-122.361	37.71474	1907.5917	0	0	0	RS-700	-0.15129
7885	-122.361	37.71474	1944.88983	0	0	0	RS-700	0.034278
7886	-122.361	37.71475	1925.98793	0	0	0	RS-700	-0.05976
7887	-122.361	37.71475	2017.5152	0	0	0	RS-700	0.395598
7888	-122.361	37.71476	1972.19756	0	0	0	RS-700	0.170137
7889	-122.361	37.71476	2041.21768	0	0	0	RS-700	0.513521
7890	-122.361	37.71476	1912.20686	0	0	0	RS-700	-0.12832
7891	-122.361	37.71477	1881.86116	0	0	0	RS-700	-0.2793
7892	-122.361	37.71477	1887.96798	0	0	0	RS-700	-0.24892
7893	-122.361	37.71478	1820.4646	0	0	0	RS-700	-0.58475
7894	-122.361	37.71478	1876.85925	0	0	0	RS-700	-0.30418
7895	-122.361	37.71478	1946.50315	0	0	0	RS-700	0.042304
7896	-122.361	37.71478	1854.75411	0	0	0	RS-700	-0.41416
7897	-122.361	37.71478	1830.7466	0	0	0	RS-700	-0.5336
7898	-122.361	37.71478	1871.56634	0	0	0	RS-700	-0.33052
7899	-122.361	37.71479	1853.94122	0	0	0	RS-700	-0.4182
7900	-122.361	37.71479	1890.95975	0	0	0	RS-700	-0.23403
7901	-122.361	37.71479	1844.47493	0	0	0	RS-700	-0.4653
7902	-122.361	37.71479	1906.48875	0	0	0	RS-700	-0.15677
7903	-122.361	37.7148	1860.38734	0	0	0	RS-700	-0.38613
7904	-122.361	37.7148	1885.8583	0	0	0	RS-700	-0.25941
7905	-122.361	37.7148	1889.19908	0	0	0	RS-700	-0.24279
7906	-122.361	37.71481	1984.61562	0	0	0	RS-700	0.231919
7907	-122.361	37.71481	1891.40861	0	0	0	RS-700	-0.2318
7908	-122.361	37.71482	1957.59488	0	0	0	RS-700	0.097487
7909	-122.361	37.71482	1958.60324	0	0	0	RS-700	0.102504
7910	-122.361	37.71483	1965.80079	0	0	0	RS-700	0.138312
7911	-122.361	37.71483	1933.69102	0	0	0	RS-700	-0.02144
7912	-122.361	37.71483	2036.42116	0	0	0	RS-700	0.489658
7913	-122.361	37.71484	1948.70774	0	0	0	RS-700	0.053272
7914	-122.361	37.71484	1898.88478	0	0	0	RS-700	-0.1946
7915	-122.361	37.71484	2084.53555	0	0	0	RS-700	0.729033
7916	-122.361	37.71484	1966.49729	0	0	0	RS-700	0.141778
7917	-122.361	37.71484	1937.66018	0	0	0	RS-700	-0.00169
7918	-122.361	37.71484	1969.79648	0	0	0	RS-700	0.158191
7919	-122.361	37.71484	1994.5023	0	0	0	RS-700	0.281106

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7920	-122.361	37.71484	1995.51368	0	0	0	RS-700	0.286138
7921	-122.361	37.71484	2010.7131	0	0	0	RS-700	0.361757
7922	-122.361	37.71485	1993.00489	0	0	0	RS-700	0.273656
7923	-122.361	37.71485	1929.49264	0	0	0	RS-700	-0.04233
7924	-122.361	37.71485	1961.89715	0	0	0	RS-700	0.118891
7925	-122.361	37.71486	1901.86886	0	0	0	RS-700	-0.17976
7926	-122.361	37.71486	1994.70427	0	0	0	RS-700	0.282111
7927	-122.361	37.71487	1964.2144	0	0	0	RS-700	0.13042
7928	-122.361	37.71487	2035.03392	0	0	0	RS-700	0.482756
7929	-122.361	37.71488	1927.69065	0	0	0	RS-700	-0.05129
7930	-122.361	37.71488	2047.83003	0	0	0	RS-700	0.546418
7931	-122.361	37.71488	2092.86324	0	0	0	RS-700	0.770464
7932	-122.361	37.71489	2101.76415	0	0	0	RS-700	0.814747
7933	-122.361	37.71489	1995.406	0	0	0	RS-700	0.285602
7934	-122.361	37.7149	2030.52264	0	0	0	RS-700	0.460312
7935	-122.361	37.7149	2104.53845	0	0	0	RS-700	0.82855
7936	-122.361	37.71491	2114.08704	0	0	0	RS-700	0.876055
7937	-122.361	37.71491	2112.87405	0	0	0	RS-700	0.87002
7938	-122.361	37.71491	2069.04812	0	0	0	RS-700	0.651981
7939	-122.361	37.71491	2027.74167	0	0	0	RS-700	0.446476
7940	-122.361	37.71492	1980.68358	0	0	0	RS-700	0.212356
7941	-122.361	37.71492	1971.81492	0	0	0	RS-700	0.168233
7942	-122.361	37.71492	2032.8189	0	0	0	RS-700	0.471736
7943	-122.361	37.71492	1976.30632	0	0	0	RS-700	0.190579
7944	-122.361	37.71492	1967.80096	0	0	0	RS-700	0.148263
7945	-122.361	37.71493	1968.51641	0	0	0	RS-700	0.151823
7946	-122.361	37.71493	1938.69121	0	0	0	RS-700	0.003439
7947	-122.361	37.71493	1816.4766	0	0	0	RS-700	-0.60459
7948	-122.361	37.71493	1854.8298	0	0	0	RS-700	-0.41378
7949	-122.361	37.71493	1834.65827	0	0	0	RS-700	-0.51414
7950	-122.361	37.71493	1860.75627	0	0	0	RS-700	-0.3843
7951	-122.361	37.71494	1847.65993	0	0	0	RS-700	-0.44945
7952	-122.361	37.71494	1818.37635	0	0	0	RS-700	-0.59514
7953	-122.361	37.71494	1876.48368	0	0	0	RS-700	-0.30605
7954	-122.361	37.71494	1817.56078	0	0	0	RS-700	-0.5992
7955	-122.361	37.71494	1961.60476	0	0	0	RS-700	0.117437
7956	-122.361	37.71495	1840.56462	0	0	0	RS-700	-0.48475
7957	-122.361	37.71495	1873.57661	0	0	0	RS-700	-0.32051
7958	-122.361	37.71495	1849.84563	0	0	0	RS-700	-0.43858
7959	-122.361	37.71496	1880.76266	0	0	0	RS-700	-0.28476
7960	-122.361	37.71496	1933.59444	0	0	0	RS-700	-0.02192
7961	-122.361	37.71496	2002.81803	0	0	0	RS-700	0.322478
7962	-122.361	37.71497	1888.58392	0	0	0	RS-700	-0.24585
7963	-122.361	37.71497	1972.89751	0	0	0	RS-700	0.173619
7964	-122.361	37.71497	1958.50519	0	0	0	RS-700	0.102016

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
7965	-122.361	37.71498	2010.70815	0	0	0	RS-700	0.361732
7966	-122.361	37.71498	1853.76988	0	0	0	RS-700	-0.41906
7967	-122.361	37.71498	1578.637	0	0	0	RS-700	-1.78788
7968	-122.361	37.71498	1165.184	0	0	0	RS-700	-3.84486
7969	-122.361	37.71498	1109.39937	0	0	0	RS-700	-4.12239
7970	-122.361	37.71499	1598.33503	0	0	0	RS-700	-1.68988
7971	-122.361	37.71499	1820.83669	0	0	0	RS-700	-0.5829
7972	-122.361	37.71499	1837.57115	0	0	0	RS-700	-0.49965
7973	-122.361	37.715	1851.29388	0	0	0	RS-700	-0.43137
7974	-122.361	37.715	1803.46399	0	0	0	RS-700	-0.66933
7975	-122.361	37.71501	1741.80754	0	0	0	RS-700	-0.97608
7976	-122.361	37.71501	1821.83464	0	0	0	RS-700	-0.57794
7977	-122.361	37.71502	1808.6495	0	0	0	RS-700	-0.64353
7978	-122.361	37.71502	1818.46683	0	0	0	RS-700	-0.59469
7979	-122.361	37.71502	1806.64559	0	0	0	RS-700	-0.6535
7980	-122.361	37.71502	1891.86756	0	0	0	RS-700	-0.22951
7981	-122.361	37.71503	2019.62142	0	0	0	RS-700	0.406077
7982	-122.361	37.71503	1948.27548	0	0	0	RS-700	0.051122
7983	-122.361	37.71503	1978.1082	0	0	0	RS-700	0.199543
7984	-122.361	37.71503	1941.5015	0	0	0	RS-700	0.01742
7985	-122.361	37.71503	1971.90319	0	0	0	RS-700	0.168673
7986	-122.361	37.71503	2012.62878	0	0	0	RS-700	0.371287
7987	-122.361	37.71503	1981.7132	0	0	0	RS-700	0.217479
7988	-122.361	37.71503	1980.59529	0	0	0	RS-700	0.211917
7989	-122.361	37.71503	1943.98286	0	0	0	RS-700	0.029765
7990	-122.361	37.71503	1889.48435	0	0	0	RS-700	-0.24137
7991	-122.361	37.71503	1909.98035	0	0	0	RS-700	-0.1394
7992	-122.361	37.71503	1926.7811	0	0	0	RS-700	-0.05582
7993	-122.361	37.71504	1836.56541	0	0	0	RS-700	-0.50465
7994	-122.361	37.71504	1847.4757	0	0	0	RS-700	-0.45037
7995	-122.361	37.71505	1826.56246	0	0	0	RS-700	-0.55442
7996	-122.361	37.71505	1798.83013	0	0	0	RS-700	-0.69239
7997	-122.361	37.71506	1829.92853	0	0	0	RS-700	-0.53767
7998	-122.361	37.71506	1983.70705	0	0	0	RS-700	0.227398
7999	-122.361	37.71506	1908.39602	0	0	0	RS-700	-0.14728
8000	-122.361	37.71507	1867.48094	0	0	0	RS-700	-0.35084
8001	-122.361	37.71507	1843.38234	0	0	0	RS-700	-0.47073
8002	-122.361	37.71507	1867.84955	0	0	0	RS-700	-0.34901
8003	-122.361	37.71508	1916.59021	0	0	0	RS-700	-0.10652
8004	-122.361	37.71508	1893.67695	0	0	0	RS-700	-0.22051
8005	-122.361	37.71508	1895.85909	0	0	0	RS-700	-0.20966
8006	-122.361	37.71508	1888.76217	0	0	0	RS-700	-0.24496
8007	-122.361	37.71509	1931.3071	0	0	0	RS-700	-0.0333
8008	-122.361	37.71509	1819.46213	0	0	0	RS-700	-0.58974
8009	-122.361	37.71509	1867.22933	0	0	0	RS-700	-0.35209

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8010	-122.361	37.71509	1844.93494	0	0	0	RS-700	-0.46301
8011	-122.361	37.7151	1804.46577	0	0	0	RS-700	-0.66435
8012	-122.361	37.7151	1899.8741	0	0	0	RS-700	-0.18968
8013	-122.361	37.71511	1912.07691	0	0	0	RS-700	-0.12897
8014	-122.361	37.71511	1887.66815	0	0	0	RS-700	-0.25041
8015	-122.361	37.71512	1927.78848	0	0	0	RS-700	-0.0508
8016	-122.361	37.71512	2113.0722	0	0	0	RS-700	0.871006
8017	-122.361	37.71513	1974.4088	0	0	0	RS-700	0.181138
8018	-122.361	37.71513	1819.1027	0	0	0	RS-700	-0.59153
8019	-122.361	37.71514	1863.38564	0	0	0	RS-700	-0.37122
8020	-122.361	37.71514	1882.14773	0	0	0	RS-700	-0.27787
8021	-122.361	37.71514	1766.62828	0	0	0	RS-700	-0.8526
8022	-122.361	37.71515	1808.45885	0	0	0	RS-700	-0.64448
8023	-122.361	37.71515	1863.76871	0	0	0	RS-700	-0.36931
8024	-122.361	37.71516	2047.95276	0	0	0	RS-700	0.547029
8025	-122.361	37.71516	1975.90578	0	0	0	RS-700	0.188586
8026	-122.361	37.71516	1912.77138	0	0	0	RS-700	-0.12552
8027	-122.361	37.71516	1928.78922	0	0	0	RS-700	-0.04582
8028	-122.361	37.71517	1814.01432	0	0	0	RS-700	-0.61684
8029	-122.361	37.71517	1761.38038	0	0	0	RS-700	-0.8787
8030	-122.361	37.71517	1762.99223	0	0	0	RS-700	-0.87069
8031	-122.361	37.71517	1818.75093	0	0	0	RS-700	-0.59328
8032	-122.361	37.71517	1928.78514	0	0	0	RS-700	-0.04585
8033	-122.361	37.71517	1859.38554	0	0	0	RS-700	-0.39112
8034	-122.361	37.71517	1907.85427	0	0	0	RS-700	-0.14998
8035	-122.361	37.71518	1829.9276	0	0	0	RS-700	-0.53767
8036	-122.361	37.71518	1692.42189	0	0	0	RS-700	-1.22178
8037	-122.361	37.71518	1869.75293	0	0	0	RS-700	-0.33954
8038	-122.361	37.71518	1978.50906	0	0	0	RS-700	0.201538
8039	-122.361	37.71518	1839.56225	0	0	0	RS-700	-0.48974
8040	-122.361	37.71518	1433.58316	0	0	0	RS-700	-2.50954
8041	-122.361	37.71519	969.25865	0	0	0	RS-700	-4.81961
8042	-122.361	37.71519	835.25647	0	0	0	RS-700	-5.48629
8043	-122.361	37.71519	794.24462	0	0	0	RS-700	-5.69033
8044	-122.361	37.71519	754.1132	0	0	0	RS-700	-5.88998
8045	-122.361	37.71519	683.06956	0	0	0	RS-700	-6.24344
8046	-122.361	37.71519	970.1475	0	0	0	RS-700	-4.81519
8047	-122.361	37.7152	1733.61991	0	0	0	RS-700	-1.01682
8048	-122.361	37.7152	1807.09017	0	0	0	RS-700	-0.65129
8049	-122.361	37.7152	1872.67429	0	0	0	RS-700	-0.325
8050	-122.361	37.71521	1842.29042	0	0	0	RS-700	-0.47617
8051	-122.361	37.71521	1795.82325	0	0	0	RS-700	-0.70735
8052	-122.361	37.7152	1784.63968	0	0	0	RS-700	-0.76299
8053	-122.361	37.7152	1841.12686	0	0	0	RS-700	-0.48196
8054	-122.361	37.7152	1897.58202	0	0	0	RS-700	-0.20108

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8055	-122.361	37.71521	1810.46962	0	0	0	RS-700	-0.63448
8056	-122.361	37.71521	1809.64216	0	0	0	RS-700	-0.6386
8057	-122.361	37.71521	1822.5603	0	0	0	RS-700	-0.57433
8058	-122.361	37.71522	1725.35791	0	0	0	RS-700	-1.05792
8059	-122.361	37.71522	1740.3607	0	0	0	RS-700	-0.98328
8060	-122.361	37.71522	1771.72967	0	0	0	RS-700	-0.82722
8061	-122.361	37.71522	1701.5196	0	0	0	RS-700	-1.17652
8062	-122.361	37.71523	1751.27126	0	0	0	RS-700	-0.929
8063	-122.361	37.71523	1715.78418	0	0	0	RS-700	-1.10555
8064	-122.361	37.71523	1724.43922	0	0	0	RS-700	-1.06249
8065	-122.361	37.71523	1769.36168	0	0	0	RS-700	-0.839
8066	-122.361	37.71523	1737.80377	0	0	0	RS-700	-0.996
8067	-122.361	37.71523	1778.72483	0	0	0	RS-700	-0.79241
8068	-122.361	37.71524	1807.64909	0	0	0	RS-700	-0.64851
8069	-122.361	37.71524	1790.36927	0	0	0	RS-700	-0.73448
8070	-122.361	37.71524	1863.66608	0	0	0	RS-700	-0.36982
8071	-122.361	37.71524	1762.54203	0	0	0	RS-700	-0.87293
8072	-122.361	37.71524	1786.7239	0	0	0	RS-700	-0.75262
8073	-122.361	37.71525	1711.13902	0	0	0	RS-700	-1.12866
8074	-122.361	37.71525	1855.94871	0	0	0	RS-700	-0.40822
8075	-122.361	37.71525	1842.38137	0	0	0	RS-700	-0.47571
8076	-122.361	37.71526	1759.44517	0	0	0	RS-700	-0.88833
8077	-122.361	37.71526	1720.36045	0	0	0	RS-700	-1.08278
8078	-122.361	37.71527	1849.56773	0	0	0	RS-700	-0.43996
8079	-122.361	37.71527	1818.28225	0	0	0	RS-700	-0.59561
8080	-122.361	37.71528	1843.72708	0	0	0	RS-700	-0.46902
8081	-122.361	37.71528	1868.57598	0	0	0	RS-700	-0.34539
8082	-122.361	37.71529	1775.54465	0	0	0	RS-700	-0.80824
8083	-122.361	37.71529	1809.00758	0	0	0	RS-700	-0.64175
8084	-122.361	37.7153	1862.56734	0	0	0	RS-700	-0.37529
8085	-122.361	37.7153	1821.4674	0	0	0	RS-700	-0.57976
8086	-122.361	37.7153	1826.65373	0	0	0	RS-700	-0.55396
8087	-122.361	37.7153	1801.82705	0	0	0	RS-700	-0.67748
8088	-122.361	37.7153	1853.47656	0	0	0	RS-700	-0.42051
8089	-122.361	37.7153	1790.55584	0	0	0	RS-700	-0.73355
8090	-122.361	37.7153	1794.74018	0	0	0	RS-700	-0.71274
8091	-122.361	37.7153	1843.84192	0	0	0	RS-700	-0.46845
8092	-122.361	37.7153	1840.75766	0	0	0	RS-700	-0.48379
8093	-122.361	37.7153	1814.83352	0	0	0	RS-700	-0.61277
8094	-122.361	37.71531	1827.74622	0	0	0	RS-700	-0.54853
8095	-122.361	37.71531	1870.38684	0	0	0	RS-700	-0.33638
8096	-122.361	37.71531	1838.47024	0	0	0	RS-700	-0.49517
8097	-122.361	37.71532	1849.56765	0	0	0	RS-700	-0.43996
8098	-122.361	37.71532	1856.57142	0	0	0	RS-700	-0.40512
8099	-122.361	37.71532	1858.38806	0	0	0	RS-700	-0.39608

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8100	-122.361	37.71532	1891.58059	0	0	0	RS-700	-0.23094
8101	-122.362	37.71532	1827.92673	0	0	0	RS-700	-0.54763
8102	-122.362	37.71532	1839.47873	0	0	0	RS-700	-0.49016
8103	-122.362	37.71532	1821.47554	0	0	0	RS-700	-0.57972
8104	-122.362	37.71532	1853.19703	0	0	0	RS-700	-0.42191
8105	-122.362	37.71532	1763.8072	0	0	0	RS-700	-0.86663
8106	-122.362	37.71532	1733.87042	0	0	0	RS-700	-1.01557
8107	-122.362	37.71532	1917.39759	0	0	0	RS-700	-0.1025
8108	-122.362	37.71533	1852.659	0	0	0	RS-700	-0.42458
8109	-122.362	37.71533	1831.02068	0	0	0	RS-700	-0.53224
8110	-122.362	37.71533	1911.59332	0	0	0	RS-700	-0.13138
8111	-122.362	37.71533	1804.83177	0	0	0	RS-700	-0.66253
8112	-122.362	37.71533	1866.57256	0	0	0	RS-700	-0.35536
8113	-122.362	37.71533	1880.06486	0	0	0	RS-700	-0.28823
8114	-122.362	37.71533	1909.48929	0	0	0	RS-700	-0.14184
8115	-122.362	37.71533	1964.31105	0	0	0	RS-700	0.130901
8116	-122.362	37.71534	2075.95096	0	0	0	RS-700	0.686323
8117	-122.362	37.71534	1969.00716	0	0	0	RS-700	0.154264
8118	-122.362	37.71534	1932.49821	0	0	0	RS-700	-0.02737
8119	-122.362	37.71535	1862.38567	0	0	0	RS-700	-0.37619
8120	-122.362	37.71535	1891.05716	0	0	0	RS-700	-0.23355
8121	-122.362	37.71536	1885.10741	0	0	0	RS-700	-0.26315
8122	-122.362	37.71536	1895.39278	0	0	0	RS-700	-0.21198
8123	-122.362	37.71537	1796.63944	0	0	0	RS-700	-0.70329
8124	-122.362	37.71538	1894.43806	0	0	0	RS-700	-0.21673
8125	-122.362	37.71538	1899.58948	0	0	0	RS-700	-0.1911
8126	-122.362	37.71539	1897.39635	0	0	0	RS-700	-0.20201
8127	-122.362	37.71539	1936.08219	0	0	0	RS-700	-0.00954
8128	-122.362	37.7154	1912.20317	0	0	0	RS-700	-0.12834
8129	-122.362	37.7154	1969.61419	0	0	0	RS-700	0.157285
8130	-122.362	37.71541	1942.21248	0	0	0	RS-700	0.020958
8131	-122.362	37.71541	1918.68664	0	0	0	RS-700	-0.09609
8132	-122.362	37.71541	1920.5915	0	0	0	RS-700	-0.08661
8133	-122.362	37.71541	1941.98173	0	0	0	RS-700	0.01981
8134	-122.362	37.71541	1990.61175	0	0	0	RS-700	0.26175
8135	-122.362	37.71541	1991.51616	0	0	0	RS-700	0.26625
8136	-122.362	37.71541	1904.76654	0	0	0	RS-700	-0.16534
8137	-122.362	37.71541	1871.67478	0	0	0	RS-700	-0.32998
8138	-122.362	37.71541	1898.96787	0	0	0	RS-700	-0.19419
8139	-122.362	37.71542	1894.39395	0	0	0	RS-700	-0.21695
8140	-122.362	37.71542	1951.60842	0	0	0	RS-700	0.067704
8141	-122.362	37.71542	2035.83545	0	0	0	RS-700	0.486744
8142	-122.362	37.71542	2047.03823	0	0	0	RS-700	0.542479
8143	-122.362	37.71542	1930.18187	0	0	0	RS-700	-0.0389
8144	-122.362	37.71543	2021.92949	0	0	0	RS-700	0.41756

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8145	-122.362	37.71543	1985.4147	0	0	0	RS-700	0.235894
8146	-122.362	37.71543	1975.4088	0	0	0	RS-700	0.186113
8147	-122.362	37.71543	1924.49548	0	0	0	RS-700	-0.06719
8148	-122.362	37.71544	1830.28231	0	0	0	RS-700	-0.53591
8149	-122.362	37.71544	1879.4868	0	0	0	RS-700	-0.29111
8150	-122.362	37.71545	1951.60135	0	0	0	RS-700	0.067668
8151	-122.362	37.71545	1870.95844	0	0	0	RS-700	-0.33354
8152	-122.362	37.71546	1840.72914	0	0	0	RS-700	-0.48393
8153	-122.362	37.71547	1865.48249	0	0	0	RS-700	-0.36078
8154	-122.362	37.71547	1901.58463	0	0	0	RS-700	-0.18117
8155	-122.362	37.71548	1934.18056	0	0	0	RS-700	-0.019
8156	-122.362	37.71548	1890.67455	0	0	0	RS-700	-0.23545
8157	-122.362	37.71549	1607.35926	0	0	0	RS-700	-1.64498
8158	-122.362	37.71549	1449.18863	0	0	0	RS-700	-2.4319
8159	-122.362	37.71549	1516.31256	0	0	0	RS-700	-2.09795
8160	-122.362	37.7155	1742.0786	0	0	0	RS-700	-0.97473
8161	-122.362	37.7155	1927.99051	0	0	0	RS-700	-0.0498
8162	-122.362	37.71551	1947.50441	0	0	0	RS-700	0.047286
8163	-122.362	37.71551	1888.67514	0	0	0	RS-700	-0.2454
8164	-122.362	37.71552	1985.80805	0	0	0	RS-700	0.237851
8165	-122.362	37.71552	2013.72279	0	0	0	RS-700	0.37673
8166	-122.362	37.71552	2009.61729	0	0	0	RS-700	0.356305
8167	-122.362	37.71553	1969.4035	0	0	0	RS-700	0.156236
8168	-122.362	37.71553	2018.92596	0	0	0	RS-700	0.402617
8169	-122.362	37.71553	1927.59281	0	0	0	RS-700	-0.05178
8170	-122.362	37.71553	1859.93549	0	0	0	RS-700	-0.38838
8171	-122.362	37.71554	1982.51001	0	0	0	RS-700	0.221443
8172	-122.362	37.71554	1914.97704	0	0	0	RS-700	-0.11454
8173	-122.362	37.71554	2030.03713	0	0	0	RS-700	0.457896
8174	-122.362	37.71555	2090.32676	0	0	0	RS-700	0.757845
8175	-122.362	37.71555	1980.00456	0	0	0	RS-700	0.208978
8176	-122.362	37.71555	1951.38955	0	0	0	RS-700	0.066615
8177	-122.362	37.71555	1954.60204	0	0	0	RS-700	0.082597
8178	-122.362	37.71555	1969.80692	0	0	0	RS-700	0.158243
8179	-122.362	37.71556	1945.98719	0	0	0	RS-700	0.039737
8180	-122.362	37.71556	1917.49409	0	0	0	RS-700	-0.10202
8181	-122.362	37.71556	1799.64973	0	0	0	RS-700	-0.68831
8182	-122.362	37.71556	1540.47851	0	0	0	RS-700	-1.97772
8183	-122.362	37.71556	1615.1728	0	0	0	RS-700	-1.60611
8184	-122.362	37.71556	1460.30255	0	0	0	RS-700	-2.3766
8185	-122.362	37.71556	1589.26018	0	0	0	RS-700	-1.73502
8186	-122.362	37.71556	1636.17286	0	0	0	RS-700	-1.50163
8187	-122.362	37.71556	1929.69215	0	0	0	RS-700	-0.04133
8188	-122.362	37.71556	1932.98176	0	0	0	RS-700	-0.02497
8189	-122.362	37.71556	1957.90777	0	0	0	RS-700	0.099044



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8190	-122.362	37.71556	1903.68461	0	0	0	RS-700	-0.17072
8191	-122.362	37.71557	1872.75423	0	0	0	RS-700	-0.32461
8192	-122.362	37.71557	1950.6949	0	0	0	RS-700	0.063159
8193	-122.362	37.71558	1955.49831	0	0	0	RS-700	0.087056
8194	-122.362	37.71558	1886.20187	0	0	0	RS-700	-0.2577
8195	-122.362	37.71559	1818.47078	0	0	0	RS-700	-0.59467
8196	-122.362	37.71559	1821.895	0	0	0	RS-700	-0.57764
8197	-122.362	37.7156	1882.39015	0	0	0	RS-700	-0.27667
8198	-122.362	37.7156	1870.94157	0	0	0	RS-700	-0.33362
8199	-122.362	37.71561	1948.50455	0	0	0	RS-700	0.052261
8200	-122.362	37.71561	1876.48553	0	0	0	RS-700	-0.30604
8201	-122.362	37.71561	1775.72414	0	0	0	RS-700	-0.80734
8202	-122.362	37.71561	1887.48909	0	0	0	RS-700	-0.2513
8203	-122.362	37.71562	1845.93623	0	0	0	RS-700	-0.45803
8204	-122.362	37.71562	1911.58646	0	0	0	RS-700	-0.13141
8205	-122.362	37.71562	1994.81477	0	0	0	RS-700	0.282661
8206	-122.362	37.71563	1966.29589	0	0	0	RS-700	0.140776
8207	-122.362	37.71563	2038.43085	0	0	0	RS-700	0.499656
8208	-122.362	37.71563	2129.08008	0	0	0	RS-700	0.950647
8209	-122.362	37.71563	2042.03711	0	0	0	RS-700	0.517598
8210	-122.362	37.71563	2124.86521	0	0	0	RS-700	0.929678
8211	-122.362	37.71563	2166.67619	0	0	0	RS-700	1.137692
8212	-122.362	37.71563	2110.32133	0	0	0	RS-700	0.85732
8213	-122.362	37.71563	2105.44152	0	0	0	RS-700	0.833042
8214	-122.362	37.71563	2212.22901	0	0	0	RS-700	1.364323
8215	-122.362	37.71563	2215.6831	0	0	0	RS-700	1.381508
8216	-122.362	37.71563	2304.16605	0	0	0	RS-700	1.821722
8217	-122.362	37.71562	2285.93354	0	0	0	RS-700	1.731013
8218	-122.362	37.71562	2223.69896	0	0	0	RS-700	1.421388
8219	-122.362	37.71562	2334.6072	0	0	0	RS-700	1.97317
8220	-122.362	37.71562	2237.80088	0	0	0	RS-700	1.491547
8221	-122.362	37.71562	2145.66088	0	0	0	RS-700	1.033139
8222	-122.362	37.71562	2132.44094	0	0	0	RS-700	0.967368
8223	-122.362	37.71562	2193.23114	0	0	0	RS-700	1.269807
8224	-122.362	37.71562	2251.15328	0	0	0	RS-700	1.557977
8225	-122.362	37.71562	2244.58845	0	0	0	RS-700	1.525316
8226	-122.362	37.71562	2395.73932	0	0	0	RS-700	2.27731
8227	-122.362	37.71563	2367.20535	0	0	0	RS-700	2.13535
8228	-122.362	37.71563	2434.34718	0	0	0	RS-700	2.469389
8229	-122.362	37.71563	2305.42496	0	0	0	RS-700	1.827985
8230	-122.362	37.71563	2391.86533	0	0	0	RS-700	2.258036
8231	-122.362	37.71563	2353.84662	0	0	0	RS-700	2.068889
8232	-122.362	37.71564	2428.35473	0	0	0	RS-700	2.439576
8233	-122.362	37.71564	2400.23322	0	0	0	RS-700	2.299668
8234	-122.362	37.71564	2365.20524	0	0	0	RS-700	2.125399

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8235	-122.362	37.71563	2386.32469	0	0	0	RS-700	2.230471
8236	-122.362	37.71563	2471.62783	0	0	0	RS-700	2.654865
8237	-122.362	37.71563	2447.37513	0	0	0	RS-700	2.534205
8238	-122.362	37.71563	2465.00913	0	0	0	RS-700	2.621936
8239	-122.362	37.71564	2491.90781	0	0	0	RS-700	2.75576
8240	-122.362	37.71564	2433.62057	0	0	0	RS-700	2.465774
8241	-122.362	37.71564	2452.92188	0	0	0	RS-700	2.5618
8242	-122.362	37.71564	2425.58885	0	0	0	RS-700	2.425815
8243	-122.362	37.71565	2451.3828	0	0	0	RS-700	2.554143
8244	-122.362	37.71565	2488.14654	0	0	0	RS-700	2.737047
8245	-122.362	37.71565	2304.51648	0	0	0	RS-700	1.823465
8246	-122.362	37.71565	2395.0875	0	0	0	RS-700	2.274067
8247	-122.362	37.71565	2384.0969	0	0	0	RS-700	2.219388
8248	-122.362	37.71565	2430.11829	0	0	0	RS-700	2.44835
8249	-122.362	37.71565	2364.85178	0	0	0	RS-700	2.123641
8250	-122.362	37.71565	2351.61107	0	0	0	RS-700	2.057767
8251	-122.362	37.71565	2278.13424	0	0	0	RS-700	1.69221
8252	-122.362	37.71565	2398.30861	0	0	0	RS-700	2.290093
8253	-122.362	37.71565	2385.32038	0	0	0	RS-700	2.225475
8254	-122.362	37.71565	2490.12244	0	0	0	RS-700	2.746878
8255	-122.362	37.71565	2429.10855	0	0	0	RS-700	2.443326
8256	-122.362	37.71565	2388.13649	0	0	0	RS-700	2.239485
8257	-122.362	37.71565	2424.47747	0	0	0	RS-700	2.420286
8258	-122.362	37.71565	2468.51122	0	0	0	RS-700	2.639359
8259	-122.362	37.71565	2323.31275	0	0	0	RS-700	1.916979
8260	-122.362	37.71565	2371.34131	0	0	0	RS-700	2.155927
8261	-122.362	37.71565	2443.49781	0	0	0	RS-700	2.514914
8262	-122.362	37.71565	2425.23762	0	0	0	RS-700	2.424068
8263	-122.362	37.71565	2372.84561	0	0	0	RS-700	2.163411
8264	-122.362	37.71565	2415.84497	0	0	0	RS-700	2.377338
8265	-122.362	37.71565	2459.4849	0	0	0	RS-700	2.594452
8266	-122.362	37.71565	2466.50536	0	0	0	RS-700	2.62938
8267	-122.362	37.71565	2508.6246	0	0	0	RS-700	2.838928
8268	-122.362	37.71565	2436.50339	0	0	0	RS-700	2.480116
8269	-122.362	37.71565	2454.38863	0	0	0	RS-700	2.569098
8270	-122.362	37.71565	2433.22154	0	0	0	RS-700	2.463789
8271	-122.362	37.71565	2460.52293	0	0	0	RS-700	2.599617
8272	-122.362	37.71565	2429.25286	0	0	0	RS-700	2.444044
8273	-122.362	37.71565	2367.18671	0	0	0	RS-700	2.135257
8274	-122.362	37.71565	2351.02187	0	0	0	RS-700	2.054835
8275	-122.362	37.71565	2387.74671	0	0	0	RS-700	2.237546
8276	-122.362	37.71565	2375.72963	0	0	0	RS-700	2.177759
8277	-122.362	37.71565	2450.01889	0	0	0	RS-700	2.547358
8278	-122.362	37.71565	2391.21067	0	0	0	RS-700	2.254779
8279	-122.362	37.71565	2391.33161	0	0	0	RS-700	2.255381

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8280	-122.362	37.71565	2462.9076	0	0	0	RS-700	2.611481
8281	-122.362	37.71565	2381.98643	0	0	0	RS-700	2.208888
8282	-122.362	37.71565	2494.53935	0	0	0	RS-700	2.768852
8283	-122.362	37.71565	2377.86035	0	0	0	RS-700	2.18836
8284	-122.362	37.71565	2376.35431	0	0	0	RS-700	2.180867
8285	-122.362	37.71565	2412.22536	0	0	0	RS-700	2.35933
8286	-122.362	37.71565	2347.20178	0	0	0	RS-700	2.03583
8287	-122.362	37.71565	2406.84118	0	0	0	RS-700	2.332543
8288	-122.362	37.71565	2322.0707	0	0	0	RS-700	1.9108
8289	-122.362	37.71565	2421.22166	0	0	0	RS-700	2.404088
8290	-122.362	37.71565	2516.74363	0	0	0	RS-700	2.879322
8291	-122.362	37.71565	2478.49057	0	0	0	RS-700	2.689008
8292	-122.362	37.71565	2447.12681	0	0	0	RS-700	2.532969
8293	-122.362	37.71565	2305.75611	0	0	0	RS-700	1.829632
8294	-122.362	37.71565	2405.58576	0	0	0	RS-700	2.326297
8295	-122.362	37.71565	2420.49504	0	0	0	RS-700	2.400473
8296	-122.362	37.71565	2382.99417	0	0	0	RS-700	2.213901
8297	-122.362	37.71565	2426.62924	0	0	0	RS-700	2.430991
8298	-122.362	37.71565	2370.96674	0	0	0	RS-700	2.154063
8299	-122.362	37.71565	2453.49944	0	0	0	RS-700	2.564674
8300	-122.362	37.71565	2441.48481	0	0	0	RS-700	2.5049
8301	-122.362	37.71565	2369.60287	0	0	0	RS-700	2.147278
8302	-122.362	37.71565	2431.135	0	0	0	RS-700	2.453408
8303	-122.362	37.71565	2411.23825	0	0	0	RS-700	2.354419
8304	-122.362	37.71565	2372.60598	0	0	0	RS-700	2.162219
8305	-122.362	37.71565	2281.82021	0	0	0	RS-700	1.710548
8306	-122.362	37.71565	2418.60868	0	0	0	RS-700	2.391088
8307	-122.362	37.71565	2406.01499	0	0	0	RS-700	2.328433
8308	-122.362	37.71565	2433.50939	0	0	0	RS-700	2.465221
8309	-122.362	37.71565	2380.70296	0	0	0	RS-700	2.202502
8310	-122.362	37.71565	2336.67308	0	0	0	RS-700	1.983448
8311	-122.362	37.71565	2447.14174	0	0	0	RS-700	2.533043
8312	-122.362	37.71565	2523.67408	0	0	0	RS-700	2.913801
8313	-122.362	37.71565	2381.21991	0	0	0	RS-700	2.205074
8314	-122.362	37.71565	2341.45372	0	0	0	RS-700	2.007232
8315	-122.362	37.71565	2408.87414	0	0	0	RS-700	2.342657
8316	-122.362	37.71565	2369.80773	0	0	0	RS-700	2.148297
8317	-122.362	37.71565	2414.50702	0	0	0	RS-700	2.370682
8318	-122.362	37.71565	2432.38489	0	0	0	RS-700	2.459626
8319	-122.362	37.71565	2451.37471	0	0	0	RS-700	2.554103
8320	-122.362	37.71565	2322.5511	0	0	0	RS-700	1.91319
8321	-122.362	37.71565	2399.21907	0	0	0	RS-700	2.294622
8322	-122.362	37.71565	2419.37181	0	0	0	RS-700	2.394885
8323	-122.362	37.71565	2382.73293	0	0	0	RS-700	2.212602
8324	-122.362	37.71565	2446.75248	0	0	0	RS-700	2.531107

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8325	-122.362	37.71565	2477.75301	0	0	0	RS-700	2.685338
8326	-122.362	37.71565	2401.10219	0	0	0	RS-700	2.303991
8327	-122.362	37.71565	2391.31242	0	0	0	RS-700	2.255286
8328	-122.362	37.71565	2385.85089	0	0	0	RS-700	2.228114
8329	-122.362	37.71565	2465.17052	0	0	0	RS-700	2.622739
8330	-122.362	37.71565	2391.2221	0	0	0	RS-700	2.254836
8331	-122.362	37.71565	2394.73848	0	0	0	RS-700	2.272331
8332	-122.362	37.71565	2466.39998	0	0	0	RS-700	2.628856
8333	-122.362	37.71565	2487.63161	0	0	0	RS-700	2.734486
8334	-122.362	37.71565	2372.84566	0	0	0	RS-700	2.163411
8335	-122.362	37.71565	2399.43618	0	0	0	RS-700	2.295702
8336	-122.362	37.71565	2474.73659	0	0	0	RS-700	2.670331
8337	-122.362	37.71565	2320.77422	0	0	0	RS-700	1.904349
8338	-122.362	37.71565	2446.55032	0	0	0	RS-700	2.530101
8339	-122.362	37.71565	2452.63294	0	0	0	RS-700	2.560363
8340	-122.362	37.71565	2376.98567	0	0	0	RS-700	2.184008
8341	-122.362	37.71565	2396.98738	0	0	0	RS-700	2.283519
8342	-122.362	37.71565	2385.32097	0	0	0	RS-700	2.225477
8343	-122.362	37.71565	2325.87865	0	0	0	RS-700	1.929745
8344	-122.362	37.71565	2366.42849	0	0	0	RS-700	2.131485
8345	-122.362	37.71565	2453.64013	0	0	0	RS-700	2.565374
8346	-122.362	37.71565	2338.8415	0	0	0	RS-700	1.994236
8347	-122.362	37.71565	2381.63327	0	0	0	RS-700	2.207131
8348	-122.362	37.71565	2367.85806	0	0	0	RS-700	2.138597
8349	-122.362	37.71565	2333.56105	0	0	0	RS-700	1.967965
8350	-122.362	37.71565	2269.26193	0	0	0	RS-700	1.648069
8351	-122.362	37.71565	2289.59719	0	0	0	RS-700	1.74924
8352	-122.362	37.71565	2441.86579	0	0	0	RS-700	2.506795
8353	-122.362	37.71565	2416.34153	0	0	0	RS-700	2.379809
8354	-122.362	37.71565	2411.13003	0	0	0	RS-700	2.353881
8355	-122.362	37.71565	2418.74386	0	0	0	RS-700	2.39176
8356	-122.362	37.71565	2385.30575	0	0	0	RS-700	2.225402
8357	-122.362	37.71565	2330.62286	0	0	0	RS-700	1.953348
8358	-122.362	37.71565	2275.16822	0	0	0	RS-700	1.677454
8359	-122.362	37.71565	2389.5992	0	0	0	RS-700	2.246762
8360	-122.362	37.71565	2405.97838	0	0	0	RS-700	2.328251
8361	-122.362	37.71565	2386.37394	0	0	0	RS-700	2.230716
8362	-122.362	37.71565	2394.49591	0	0	0	RS-700	2.271124
8363	-122.362	37.71565	2430.20663	0	0	0	RS-700	2.448789
8364	-122.362	37.71565	2405.4739	0	0	0	RS-700	2.325741
8365	-122.362	37.71565	2361.1955	0	0	0	RS-700	2.10545
8366	-122.362	37.71565	2457.00055	0	0	0	RS-700	2.582092
8367	-122.362	37.71565	2375.94319	0	0	0	RS-700	2.178822
8368	-122.362	37.71565	2471.99972	0	0	0	RS-700	2.656715
8369	-122.362	37.71565	2430.99956	0	0	0	RS-700	2.452734

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8370	-122.362	37.71565	2402.97881	0	0	0	RS-700	2.313327
8371	-122.362	37.71565	2405.72954	0	0	0	RS-700	2.327013
8372	-122.362	37.71565	2405.98067	0	0	0	RS-700	2.328262
8373	-122.362	37.71565	2399.97783	0	0	0	RS-700	2.298397
8374	-122.362	37.71565	2468.51146	0	0	0	RS-700	2.63936
8375	-122.362	37.71565	2401.86805	0	0	0	RS-700	2.307801
8376	-122.362	37.71565	2367.60064	0	0	0	RS-700	2.137317
8377	-122.362	37.71565	2439.09994	0	0	0	RS-700	2.493035
8378	-122.362	37.71565	2498.51833	0	0	0	RS-700	2.788648
8379	-122.362	37.71565	2458.87186	0	0	0	RS-700	2.591402
8380	-122.362	37.71565	2375.96763	0	0	0	RS-700	2.178943
8381	-122.362	37.71565	2443.65097	0	0	0	RS-700	2.515676
8382	-122.362	37.71565	2420.02894	0	0	0	RS-700	2.398154
8383	-122.362	37.71565	2423.62309	0	0	0	RS-700	2.416035
8384	-122.362	37.71565	2403.07521	0	0	0	RS-700	2.313807
8385	-122.362	37.71565	2393.85239	0	0	0	RS-700	2.267922
8386	-122.362	37.71565	2429.50948	0	0	0	RS-700	2.445321
8387	-122.362	37.71565	2379.22133	0	0	0	RS-700	2.195131
8388	-122.362	37.71565	2436.24778	0	0	0	RS-700	2.478845
8389	-122.362	37.71565	2404.45849	0	0	0	RS-700	2.320689
8390	-122.362	37.71565	2400.31917	0	0	0	RS-700	2.300095
8391	-122.362	37.71565	2477.90598	0	0	0	RS-700	2.686099
8392	-122.362	37.71565	2357.21107	0	0	0	RS-700	2.085627
8393	-122.362	37.71565	2402.87487	0	0	0	RS-700	2.31281
8394	-122.362	37.71565	2410.75165	0	0	0	RS-700	2.351998
8395	-122.362	37.71565	2416.22938	0	0	0	RS-700	2.379251
8396	-122.362	37.71565	2382.10146	0	0	0	RS-700	2.20946
8397	-122.362	37.71565	2413.61824	0	0	0	RS-700	2.36626
8398	-122.362	37.71565	2348.72408	0	0	0	RS-700	2.043403
8399	-122.362	37.71565	2407.23331	0	0	0	RS-700	2.334494
8400	-122.362	37.71565	2540.03321	0	0	0	RS-700	2.99519
8401	-122.362	37.71565	2424.47446	0	0	0	RS-700	2.420271
8402	-122.362	37.71565	2409.604	0	0	0	RS-700	2.346289
8403	-122.362	37.71565	2394.70655	0	0	0	RS-700	2.272172
8404	-122.362	37.71565	2335.18578	0	0	0	RS-700	1.976049
8405	-122.362	37.71566	2267.02138	0	0	0	RS-700	1.636922
8406	-122.362	37.71566	2294.0428	0	0	0	RS-700	1.771357
8407	-122.362	37.71566	2223.57549	0	0	0	RS-700	1.420774
8408	-122.362	37.71567	2166.99711	0	0	0	RS-700	1.139289
8409	-122.362	37.71567	2113.05144	0	0	0	RS-700	0.870903
8410	-122.362	37.71567	1969.22094	0	0	0	RS-700	0.155328
8411	-122.362	37.71568	2068.95142	0	0	0	RS-700	0.6515
8412	-122.362	37.71568	2147.096	0	0	0	RS-700	1.040279
8413	-122.362	37.71569	2129.53857	0	0	0	RS-700	0.952928
8414	-122.362	37.71569	2110.75876	0	0	0	RS-700	0.859496

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8415	-122.362	37.71569	2085.23485	0	0	0	RS-700	0.732512
8416	-122.362	37.7157	2062.7512	0	0	0	RS-700	0.620653
8417	-122.362	37.7157	2066.53226	0	0	0	RS-700	0.639464
8418	-122.362	37.7157	1995.42283	0	0	0	RS-700	0.285686
8419	-122.362	37.7157	2031.21769	0	0	0	RS-700	0.46377
8420	-122.362	37.71572	1994.71176	0	0	0	RS-700	0.282148
8421	-122.362	37.71572	1990.81349	0	0	0	RS-700	0.262754
8422	-122.362	37.71573	2061.83237	0	0	0	RS-700	0.616081
8423	-122.362	37.71573	1990.51613	0	0	0	RS-700	0.261274
8424	-122.362	37.71574	2057.62919	0	0	0	RS-700	0.59517
8425	-122.362	37.71574	1992.21096	0	0	0	RS-700	0.269706
8426	-122.362	37.71575	2046.73523	0	0	0	RS-700	0.540971
8427	-122.362	37.71575	1992.3184	0	0	0	RS-700	0.270241
8428	-122.362	37.71575	2042.93427	0	0	0	RS-700	0.522061
8429	-122.362	37.71576	2034.63093	0	0	0	RS-700	0.480751
8430	-122.362	37.71576	2037.42175	0	0	0	RS-700	0.494636
8431	-122.362	37.71577	2065.73992	0	0	0	RS-700	0.635522
8432	-122.362	37.71577	2011.61158	0	0	0	RS-700	0.366227
8433	-122.362	37.71577	2072.74529	0	0	0	RS-700	0.670375
8434	-122.362	37.71577	2086.74477	0	0	0	RS-700	0.740024
8435	-122.362	37.71578	2040.61751	0	0	0	RS-700	0.510535
8436	-122.362	37.71578	2057.46477	0	0	0	RS-700	0.594352
8437	-122.362	37.71578	2001.92002	0	0	0	RS-700	0.31801
8438	-122.362	37.71578	2056.8377	0	0	0	RS-700	0.591232
8439	-122.362	37.71579	2142.65974	0	0	0	RS-700	1.018208
8440	-122.362	37.71579	2130.86999	0	0	0	RS-700	0.959552
8441	-122.362	37.71579	2090.53742	0	0	0	RS-700	0.758893
8442	-122.362	37.7158	2066.94374	0	0	0	RS-700	0.641511
8443	-122.362	37.7158	1975.71417	0	0	0	RS-700	0.187633
8444	-122.362	37.71581	2098.43793	0	0	0	RS-700	0.798199
8445	-122.362	37.71581	2082.47711	0	0	0	RS-700	0.718792
8446	-122.362	37.71581	2156.65579	0	0	0	RS-700	1.08784
8447	-122.362	37.71581	2078.74402	0	0	0	RS-700	0.700219
8448	-122.362	37.71581	2028.93176	0	0	0	RS-700	0.452397
8449	-122.362	37.71581	2145.45966	0	0	0	RS-700	1.032138
8450	-122.362	37.71581	2086.38335	0	0	0	RS-700	0.738226
8451	-122.362	37.71582	1988.40746	0	0	0	RS-700	0.250783
8452	-122.362	37.71582	1978.00817	0	0	0	RS-700	0.199046
8453	-122.362	37.71582	2031.23507	0	0	0	RS-700	0.463856
8454	-122.362	37.71582	1976.80562	0	0	0	RS-700	0.193063
8455	-122.362	37.71582	1991.71669	0	0	0	RS-700	0.267247
8456	-122.362	37.71582	2035.9318	0	0	0	RS-700	0.487223
8457	-122.362	37.71581	2025.72805	0	0	0	RS-700	0.436458
8458	-122.362	37.71581	1943.40816	0	0	0	RS-700	0.026906
8459	-122.362	37.71581	2014.13008	0	0	0	RS-700	0.378757

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8460	-122.362	37.71581	2062.53406	0	0	0	RS-700	0.619572
8461	-122.362	37.7158	2034.42207	0	0	0	RS-700	0.479712
8462	-122.362	37.7158	2016.7175	0	0	0	RS-700	0.391629
8463	-122.362	37.7158	2049.1482	0	0	0	RS-700	0.552976
8464	-122.362	37.7158	2060.73861	0	0	0	RS-700	0.61064
8465	-122.362	37.7158	1982.50708	0	0	0	RS-700	0.221428
8466	-122.362	37.7158	1967.40712	0	0	0	RS-700	0.146304
8467	-122.362	37.7158	1981.80121	0	0	0	RS-700	0.217916
8468	-122.362	37.7158	1924.59963	0	0	0	RS-700	-0.06667
8469	-122.362	37.7158	1958.79958	0	0	0	RS-700	0.10348
8470	-122.362	37.7158	2039.03036	0	0	0	RS-700	0.502639
8471	-122.362	37.7158	2055.04071	0	0	0	RS-700	0.582292
8472	-122.362	37.7158	2045.24322	0	0	0	RS-700	0.533548
8473	-122.362	37.7158	1952.79305	0	0	0	RS-700	0.073597
8474	-122.362	37.7158	1988.91212	0	0	0	RS-700	0.253294
8475	-122.362	37.7158	2045.93379	0	0	0	RS-700	0.536984
8476	-122.362	37.7158	1926.7895	0	0	0	RS-700	-0.05577
8477	-122.362	37.7158	2019.1157	0	0	0	RS-700	0.403561
8478	-122.362	37.7158	1997.71833	0	0	0	RS-700	0.297106
8479	-122.362	37.7158	2005.71708	0	0	0	RS-700	0.336901
8480	-122.362	37.7158	2020.50952	0	0	0	RS-700	0.410495
8481	-122.362	37.7158	2002.01549	0	0	0	RS-700	0.318485
8482	-122.362	37.7158	1984.78688	0	0	0	RS-700	0.232771
8483	-122.362	37.7158	1952.08778	0	0	0	RS-700	0.070088
8484	-122.362	37.7158	1932.69268	0	0	0	RS-700	-0.0264
8485	-122.362	37.7158	1939.32514	0	0	0	RS-700	0.006593
8486	-122.362	37.7158	1926.97143	0	0	0	RS-700	-0.05487
8487	-122.362	37.7158	1933.38325	0	0	0	RS-700	-0.02297
8488	-122.362	37.7158	1867.76159	0	0	0	RS-700	-0.34944
8489	-122.362	37.7158	1959.8936	0	0	0	RS-700	0.108923
8490	-122.362	37.71581	2015.80471	0	0	0	RS-700	0.387088
8491	-122.362	37.71581	1898.6343	0	0	0	RS-700	-0.19585
8492	-122.362	37.71582	1715.61082	0	0	0	RS-700	-1.10641
8493	-122.362	37.71582	1750.7992	0	0	0	RS-700	-0.93135
8494	-122.362	37.71583	1755.53731	0	0	0	RS-700	-0.90777
8495	-122.362	37.71584	1684.43691	0	0	0	RS-700	-1.26151
8496	-122.362	37.71585	1668.60695	0	0	0	RS-700	-1.34026
8497	-122.362	37.71585	1713.51068	0	0	0	RS-700	-1.11686
8498	-122.362	37.71586	1743.27542	0	0	0	RS-700	-0.96878
8499	-122.362	37.71587	1783.64192	0	0	0	RS-700	-0.76795
8500	-122.362	37.71587	1870.29305	0	0	0	RS-700	-0.33685
8501	-122.362	37.71588	1850.78607	0	0	0	RS-700	-0.4339
8502	-122.362	37.71588	1908.29824	0	0	0	RS-700	-0.14777
8503	-122.362	37.71589	1931.49734	0	0	0	RS-700	-0.03235
8504	-122.362	37.71589	1926.88229	0	0	0	RS-700	-0.05531

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8505	-122.362	37.7159	1957.5061	0	0	0	RS-700	0.097045
8506	-122.362	37.7159	1967.91551	0	0	0	RS-700	0.148833
8507	-122.362	37.71591	1966.70452	0	0	0	RS-700	0.142809
8508	-122.362	37.71591	1825.46081	0	0	0	RS-700	-0.5599
8509	-122.363	37.71591	1977.81201	0	0	0	RS-700	0.19807
8510	-122.363	37.71592	1928.69509	0	0	0	RS-700	-0.04629
8511	-122.363	37.71592	1948.70431	0	0	0	RS-700	0.053255
8512	-122.363	37.71592	2012.52118	0	0	0	RS-700	0.370752
8513	-122.363	37.71593	1924.45956	0	0	0	RS-700	-0.06737
8514	-122.363	37.71593	2054.15671	0	0	0	RS-700	0.577894
8515	-122.363	37.71593	1886.58178	0	0	0	RS-700	-0.25581
8516	-122.363	37.71594	2049.14883	0	0	0	RS-700	0.552979
8517	-122.363	37.71594	2043.72522	0	0	0	RS-700	0.525996
8518	-122.363	37.71595	2141.44581	0	0	0	RS-700	1.012168
8519	-122.363	37.71595	2047.24555	0	0	0	RS-700	0.54351
8520	-122.363	37.71596	1983.79003	0	0	0	RS-700	0.227811
8521	-122.363	37.71596	2139.33229	0	0	0	RS-700	1.001653
8522	-122.363	37.71597	2032.62623	0	0	0	RS-700	0.470777
8523	-122.363	37.71597	2023.82028	0	0	0	RS-700	0.426967
8524	-122.363	37.71598	1987.91086	0	0	0	RS-700	0.248313
8525	-122.363	37.71598	2064.84243	0	0	0	RS-700	0.631057
8526	-122.363	37.71598	2129.29455	0	0	0	RS-700	0.951714
8527	-122.363	37.71599	2037.23048	0	0	0	RS-700	0.493684
8528	-122.363	37.71599	2018.71446	0	0	0	RS-700	0.401564
8529	-122.363	37.71599	2031.42208	0	0	0	RS-700	0.464786
8530	-122.363	37.716	2081.22175	0	0	0	RS-700	0.712546
8531	-122.363	37.716	2022.8226	0	0	0	RS-700	0.422003
8532	-122.363	37.716	2082.74881	0	0	0	RS-700	0.720143
8533	-122.363	37.71601	2014.32454	0	0	0	RS-700	0.379724
8534	-122.363	37.71601	2014.61974	0	0	0	RS-700	0.381193
8535	-122.363	37.71602	1994.91359	0	0	0	RS-700	0.283152
8536	-122.363	37.71602	1953.10523	0	0	0	RS-700	0.07515
8537	-122.363	37.71602	2063.0514	0	0	0	RS-700	0.622146
8538	-122.363	37.71603	2052.32119	0	0	0	RS-700	0.568762
8539	-122.363	37.71603	2028.21809	0	0	0	RS-700	0.448846
8540	-122.363	37.71603	1973.08929	0	0	0	RS-700	0.174574
8541	-122.363	37.71604	1786.45357	0	0	0	RS-700	-0.75396
8542	-122.363	37.71604	1985.80174	0	0	0	RS-700	0.23782
8543	-122.363	37.71604	2012.01483	0	0	0	RS-700	0.368233
8544	-122.363	37.71604	2039.03418	0	0	0	RS-700	0.502658
8545	-122.363	37.71605	1956.27929	0	0	0	RS-700	0.090942
8546	-122.363	37.71605	2080.63863	0	0	0	RS-700	0.709645
8547	-122.363	37.71605	2038.7368	0	0	0	RS-700	0.501178
8548	-122.363	37.71606	2057.35476	0	0	0	RS-700	0.593805
8549	-122.363	37.71606	2025.51888	0	0	0	RS-700	0.435417



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8550	-122.363	37.71607	2028.14238	0	0	0	RS-700	0.44847
8551	-122.363	37.71607	1999.81695	0	0	0	RS-700	0.307547
8552	-122.363	37.71608	2030.5219	0	0	0	RS-700	0.460308
8553	-122.363	37.71608	2022.52281	0	0	0	RS-700	0.420511
8554	-122.363	37.71608	1968.81011	0	0	0	RS-700	0.153284
8555	-122.363	37.71609	2012.21559	0	0	0	RS-700	0.369232
8556	-122.363	37.71608	1946.60214	0	0	0	RS-700	0.042797
8557	-122.363	37.71609	1961.61098	0	0	0	RS-700	0.117468
8558	-122.363	37.71609	2036.13672	0	0	0	RS-700	0.488242
8559	-122.363	37.71608	2039.52461	0	0	0	RS-700	0.505098
8560	-122.363	37.71608	2022.02611	0	0	0	RS-700	0.41804
8561	-122.363	37.71608	1939.88086	0	0	0	RS-700	0.009358
8562	-122.363	37.71608	2050.72953	0	0	0	RS-700	0.560843
8563	-122.363	37.71609	2149.76878	0	0	0	RS-700	1.053576
8564	-122.363	37.71609	2147.76691	0	0	0	RS-700	1.043616
8565	-122.363	37.71609	2114.96998	0	0	0	RS-700	0.880448
8566	-122.363	37.71609	2234.90373	0	0	0	RS-700	1.477133
8567	-122.363	37.71609	2133.86149	0	0	0	RS-700	0.974435
8568	-122.363	37.7161	2154.77045	0	0	0	RS-700	1.07846
8569	-122.363	37.7161	2077.64001	0	0	0	RS-700	0.694726
8570	-122.363	37.7161	1768.63318	0	0	0	RS-700	-0.84262
8571	-122.363	37.7161	1698.34962	0	0	0	RS-700	-1.19229
8572	-122.363	37.71611	1705.70236	0	0	0	RS-700	-1.15571
8573	-122.363	37.71611	1717.69148	0	0	0	RS-700	-1.09606
8574	-122.363	37.71611	1294.46043	0	0	0	RS-700	-3.20169
8575	-122.363	37.71611	1238.37669	0	0	0	RS-700	-3.48071
8576	-122.363	37.71612	1848.75404	0	0	0	RS-700	-0.44401
8577	-122.363	37.71612	1874.389	0	0	0	RS-700	-0.31647
8578	-122.363	37.71613	1763.72401	0	0	0	RS-700	-0.86704
8579	-122.363	37.71614	1774.54192	0	0	0	RS-700	-0.81322
8580	-122.363	37.71615	1974.40971	0	0	0	RS-700	0.181143
8581	-122.363	37.71615	1983.61074	0	0	0	RS-700	0.226919
8582	-122.363	37.71616	1895.86902	0	0	0	RS-700	-0.20961
8583	-122.363	37.71617	2044.63832	0	0	0	RS-700	0.530539
8584	-122.363	37.71617	1994.91034	0	0	0	RS-700	0.283136
8585	-122.363	37.71618	1958.69418	0	0	0	RS-700	0.102956
8586	-122.363	37.71618	1872.76036	0	0	0	RS-700	-0.32458
8587	-122.363	37.71619	1979.10149	0	0	0	RS-700	0.204485
8588	-122.363	37.71619	1977.00134	0	0	0	RS-700	0.194037
8589	-122.363	37.7162	1979.21419	0	0	0	RS-700	0.205046
8590	-122.363	37.7162	1981.41032	0	0	0	RS-700	0.215972
8591	-122.363	37.71621	2020.53642	0	0	0	RS-700	0.410629
8592	-122.363	37.71621	2023.928	0	0	0	RS-700	0.427502
8593	-122.363	37.71622	2021.81951	0	0	0	RS-700	0.417012
8594	-122.363	37.71622	2083.53769	0	0	0	RS-700	0.724068

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8595	-122.363	37.71622	2076.32415	0	0	0	RS-700	0.68818
8596	-122.363	37.71623	2174.77801	0	0	0	RS-700	1.178
8597	-122.363	37.71623	2128.5579	0	0	0	RS-700	0.948049
8598	-122.363	37.71623	2100.96766	0	0	0	RS-700	0.810784
8599	-122.363	37.71623	2051.63244	0	0	0	RS-700	0.565336
8600	-122.363	37.71623	1939.78634	0	0	0	RS-700	0.008887
8601	-122.363	37.71624	2084.92727	0	0	0	RS-700	0.730981
8602	-122.363	37.71624	2105.75092	0	0	0	RS-700	0.834582
8603	-122.363	37.71624	2106.54082	0	0	0	RS-700	0.838512
8604	-122.363	37.71624	2194.12233	0	0	0	RS-700	1.27424
8605	-122.363	37.71625	2180.78747	0	0	0	RS-700	1.207898
8606	-122.363	37.71625	2014.51937	0	0	0	RS-700	0.380693
8607	-122.363	37.71625	1997.5128	0	0	0	RS-700	0.296084
8608	-122.363	37.71626	2026.5283	0	0	0	RS-700	0.440439
8609	-122.363	37.71626	2043.23945	0	0	0	RS-700	0.523579
8610	-122.363	37.71626	1938.89127	0	0	0	RS-700	0.004434
8611	-122.363	37.71627	2074.14507	0	0	0	RS-700	0.677339
8612	-122.363	37.71627	1906.68522	0	0	0	RS-700	-0.15579
8613	-122.363	37.71628	2049.5227	0	0	0	RS-700	0.554839
8614	-122.363	37.71628	2043.43003	0	0	0	RS-700	0.524528
8615	-122.363	37.71628	2064.83148	0	0	0	RS-700	0.631002
8616	-122.363	37.71629	2087.74113	0	0	0	RS-700	0.744981
8617	-122.363	37.71629	2065.42877	0	0	0	RS-700	0.633974
8618	-122.363	37.71629	2216.89465	0	0	0	RS-700	1.387536
8619	-122.363	37.7163	2132.87527	0	0	0	RS-700	0.969529
8620	-122.363	37.7163	2192.9922	0	0	0	RS-700	1.268618
8621	-122.363	37.71631	2177.53764	0	0	0	RS-700	1.19173
8622	-122.363	37.71631	2190.01066	0	0	0	RS-700	1.253784
8623	-122.363	37.71632	2032.62553	0	0	0	RS-700	0.470774
8624	-122.363	37.71632	2028.72792	0	0	0	RS-700	0.451383
8625	-122.363	37.71632	2018.02931	0	0	0	RS-700	0.398156
8626	-122.363	37.71633	2026.92493	0	0	0	RS-700	0.442413
8627	-122.363	37.71633	1939.18911	0	0	0	RS-700	0.005916
8628	-122.363	37.71633	1950.89261	0	0	0	RS-700	0.064142
8629	-122.363	37.71634	2010.62283	0	0	0	RS-700	0.361308
8630	-122.363	37.71634	1903.97165	0	0	0	RS-700	-0.1693
8631	-122.363	37.71635	1990.10987	0	0	0	RS-700	0.259253
8632	-122.363	37.71635	1981.31384	0	0	0	RS-700	0.215492
8633	-122.363	37.71635	1984.69378	0	0	0	RS-700	0.232307
8634	-122.363	37.71636	1970.10116	0	0	0	RS-700	0.159707
8635	-122.363	37.71636	2006.61545	0	0	0	RS-700	0.34137
8636	-122.363	37.71636	1983.40653	0	0	0	RS-700	0.225903
8637	-122.363	37.71636	2006.01686	0	0	0	RS-700	0.338392
8638	-122.363	37.71636	2098.3614	0	0	0	RS-700	0.797818
8639	-122.363	37.71637	2013.61531	0	0	0	RS-700	0.376196

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8640	-122.363	37.71637	2079.84799	0	0	0	RS-700	0.705711
8641	-122.363	37.71637	2046.32242	0	0	0	RS-700	0.538918
8642	-122.363	37.71637	2099.17081	0	0	0	RS-700	0.801845
8643	-122.363	37.71638	2023.62011	0	0	0	RS-700	0.425971
8644	-122.363	37.71638	2041.14746	0	0	0	RS-700	0.513171
8645	-122.363	37.71639	2033.73475	0	0	0	RS-700	0.476292
8646	-122.363	37.71639	2043.83344	0	0	0	RS-700	0.526535
8647	-122.363	37.7164	2106.0623	0	0	0	RS-700	0.836131
8648	-122.363	37.7164	1988.81238	0	0	0	RS-700	0.252798
8649	-122.363	37.71641	2089.64726	0	0	0	RS-700	0.754464
8650	-122.363	37.71641	2019.92301	0	0	0	RS-700	0.407577
8651	-122.363	37.71642	2082.95059	0	0	0	RS-700	0.721147
8652	-122.363	37.71643	2047.14438	0	0	0	RS-700	0.543007
8653	-122.363	37.71643	1968.83661	0	0	0	RS-700	0.153416
8654	-122.363	37.71644	1921.57699	0	0	0	RS-700	-0.08171
8655	-122.363	37.71644	1944.29525	0	0	0	RS-700	0.03132
8656	-122.363	37.71644	2025.43377	0	0	0	RS-700	0.434994
8657	-122.363	37.71645	1999.50989	0	0	0	RS-700	0.306019
8658	-122.363	37.71645	2083.54004	0	0	0	RS-700	0.72408
8659	-122.363	37.71646	2072.75668	0	0	0	RS-700	0.670431
8660	-122.363	37.71646	2103.63714	0	0	0	RS-700	0.824065
8661	-122.363	37.71647	1976.50447	0	0	0	RS-700	0.191565
8662	-122.363	37.71647	1996.31037	0	0	0	RS-700	0.290101
8663	-122.363	37.71648	1987.9259	0	0	0	RS-700	0.248388
8664	-122.363	37.71648	1992.91002	0	0	0	RS-700	0.273184
8665	-122.363	37.71649	1968.60079	0	0	0	RS-700	0.152243
8666	-122.363	37.71649	2010.72096	0	0	0	RS-700	0.361796
8667	-122.363	37.71649	2033.21935	0	0	0	RS-700	0.473728
8668	-122.364	37.71649	1933.28232	0	0	0	RS-700	-0.02347
8669	-122.364	37.71649	1900.86692	0	0	0	RS-700	-0.18474
8670	-122.364	37.71649	1853.47678	0	0	0	RS-700	-0.42051
8671	-122.364	37.7165	1893.76787	0	0	0	RS-700	-0.22006
8672	-122.364	37.7165	1928.96881	0	0	0	RS-700	-0.04493
8673	-122.364	37.7165	1973.30857	0	0	0	RS-700	0.175665
8674	-122.364	37.7165	1892.1493	0	0	0	RS-700	-0.22811
8675	-122.364	37.71651	1888.5705	0	0	0	RS-700	-0.24592
8676	-122.364	37.71651	1970.71343	0	0	0	RS-700	0.162753
8677	-122.364	37.71652	1944.30436	0	0	0	RS-700	0.031365
8678	-122.364	37.71652	1894.39211	0	0	0	RS-700	-0.21695
8679	-122.364	37.71652	1986.19443	0	0	0	RS-700	0.239773
8680	-122.364	37.71653	2120.86428	0	0	0	RS-700	0.909773
8681	-122.364	37.71653	2150.29657	0	0	0	RS-700	1.056202
8682	-122.364	37.71654	2025.33312	0	0	0	RS-700	0.434493
8683	-122.364	37.71654	2064.84285	0	0	0	RS-700	0.631059
8684	-122.364	37.71654	2052.84376	0	0	0	RS-700	0.571362

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8685	-122.364	37.71655	2113.53159	0	0	0	RS-700	0.873291
8686	-122.364	37.71655	2069.63952	0	0	0	RS-700	0.654923
8687	-122.364	37.71655	2041.04426	0	0	0	RS-700	0.512658
8688	-122.364	37.71656	2036.92801	0	0	0	RS-700	0.492179
8689	-122.364	37.71656	2112.75512	0	0	0	RS-700	0.869428
8690	-122.364	37.71656	2122.96706	0	0	0	RS-700	0.920234
8691	-122.364	37.71657	2115.54532	0	0	0	RS-700	0.88331
8692	-122.364	37.71657	2065.74823	0	0	0	RS-700	0.635563
8693	-122.364	37.71658	2166.7691	0	0	0	RS-700	1.138155
8694	-122.364	37.71658	2272.0569	0	0	0	RS-700	1.661975
8695	-122.364	37.71658	2131.19158	0	0	0	RS-700	0.961152
8696	-122.364	37.71659	2139.87255	0	0	0	RS-700	1.004341
8697	-122.364	37.71659	2153.09193	0	0	0	RS-700	1.070109
8698	-122.364	37.7166	2137.08522	0	0	0	RS-700	0.990474
8699	-122.364	37.7166	2152.9811	0	0	0	RS-700	1.069558
8700	-122.364	37.71661	2133.65709	0	0	0	RS-700	0.973418
8701	-122.364	37.71661	2146.77001	0	0	0	RS-700	1.038657
8702	-122.364	37.71662	2157.34887	0	0	0	RS-700	1.091288
8703	-122.364	37.71662	2139.86502	0	0	0	RS-700	1.004304
8704	-122.364	37.71663	2054.73533	0	0	0	RS-700	0.580773
8705	-122.364	37.71663	2184.0029	0	0	0	RS-700	1.223895
8706	-122.364	37.71664	2136.75976	0	0	0	RS-700	0.988855
8707	-122.364	37.71664	2204.78435	0	0	0	RS-700	1.327285
8708	-122.364	37.71664	2132.65259	0	0	0	RS-700	0.968421
8709	-122.364	37.71665	2072.62893	0	0	0	RS-700	0.669796
8710	-122.364	37.71665	2158.76836	0	0	0	RS-700	1.09835
8711	-122.364	37.71665	2179.43285	0	0	0	RS-700	1.201158
8712	-122.364	37.71665	2252.24849	0	0	0	RS-700	1.563425
8713	-122.364	37.71666	2231.56444	0	0	0	RS-700	1.46052
8714	-122.364	37.71666	2255.91541	0	0	0	RS-700	1.581669
8715	-122.364	37.71666	2243.1474	0	0	0	RS-700	1.518146
8716	-122.364	37.71667	2195.11446	0	0	0	RS-700	1.279176
8717	-122.364	37.71667	2195.00478	0	0	0	RS-700	1.278631
8718	-122.364	37.71668	2155.20416	0	0	0	RS-700	1.080618
8719	-122.364	37.71668	2148.557	0	0	0	RS-700	1.047547
8720	-122.364	37.71668	2104.54043	0	0	0	RS-700	0.828559
8721	-122.364	37.71669	2179.66654	0	0	0	RS-700	1.202321
8722	-122.364	37.71669	2162.8923	0	0	0	RS-700	1.118867
8723	-122.364	37.71669	2098.52299	0	0	0	RS-700	0.798622
8724	-122.364	37.71669	2096.758	0	0	0	RS-700	0.789841
8725	-122.364	37.7167	2158.57357	0	0	0	RS-700	1.097381
8726	-122.364	37.7167	2217.22839	0	0	0	RS-700	1.389196
8727	-122.364	37.7167	2174.89166	0	0	0	RS-700	1.178565
8728	-122.364	37.7167	2152.20732	0	0	0	RS-700	1.065708
8729	-122.364	37.7167	2142.87683	0	0	0	RS-700	1.019288

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8730	-122.364	37.71669	2187.78055	0	0	0	RS-700	1.242689
8731	-122.364	37.71669	2158.55315	0	0	0	RS-700	1.097279
8732	-122.364	37.71669	2141.44428	0	0	0	RS-700	1.012161
8733	-122.364	37.71669	2119.67672	0	0	0	RS-700	0.903864
8734	-122.364	37.71669	2101.64918	0	0	0	RS-700	0.814175
8735	-122.364	37.71669	2121.97993	0	0	0	RS-700	0.915323
8736	-122.364	37.71668	2141.76088	0	0	0	RS-700	1.013736
8737	-122.364	37.71668	2120.29509	0	0	0	RS-700	0.906941
8738	-122.364	37.71668	2230.24782	0	0	0	RS-700	1.453969
8739	-122.364	37.71668	2229.56311	0	0	0	RS-700	1.450563
8740	-122.364	37.71668	2166.56913	0	0	0	RS-700	1.13716
8741	-122.364	37.71668	2177.6725	0	0	0	RS-700	1.1924
8742	-122.364	37.71668	2205.9046	0	0	0	RS-700	1.332859
8743	-122.364	37.71668	2112.28588	0	0	0	RS-700	0.867094
8744	-122.364	37.71668	2255.69242	0	0	0	RS-700	1.580559
8745	-122.364	37.71668	2233.69046	0	0	0	RS-700	1.471097
8746	-122.364	37.71668	2156.99179	0	0	0	RS-700	1.089511
8747	-122.364	37.71668	2136.75675	0	0	0	RS-700	0.98884
8748	-122.364	37.71668	2168.31717	0	0	0	RS-700	1.145857
8749	-122.364	37.71668	2153.77035	0	0	0	RS-700	1.073484
8750	-122.364	37.71668	2212.68146	0	0	0	RS-700	1.366574
8751	-122.364	37.71668	2162.99184	0	0	0	RS-700	1.119362
8752	-122.364	37.71668	2172.56569	0	0	0	RS-700	1.166993
8753	-122.364	37.71668	2202.3365	0	0	0	RS-700	1.315107
8754	-122.364	37.71668	2192.2175	0	0	0	RS-700	1.264764
8755	-122.364	37.71668	2114.5451	0	0	0	RS-700	0.878334
8756	-122.364	37.71668	2168.10135	0	0	0	RS-700	1.144783
8757	-122.364	37.71668	2207.57077	0	0	0	RS-700	1.341148
8758	-122.364	37.71668	2149.7713	0	0	0	RS-700	1.053589
8759	-122.364	37.71668	2163.53324	0	0	0	RS-700	1.122056
8760	-122.364	37.71668	2129.65497	0	0	0	RS-700	0.953507
8761	-122.364	37.71668	2125.97501	0	0	0	RS-700	0.935199
8762	-122.364	37.71668	2293.92915	0	0	0	RS-700	1.770792
8763	-122.364	37.71668	2199.79066	0	0	0	RS-700	1.302441
8764	-122.364	37.71668	2219.65959	0	0	0	RS-700	1.401291
8765	-122.364	37.71668	2151.77367	0	0	0	RS-700	1.063551
8766	-122.364	37.71668	2226.01683	0	0	0	RS-700	1.43292
8767	-122.364	37.71668	2190.22175	0	0	0	RS-700	1.254835
8768	-122.364	37.71668	2211.79531	0	0	0	RS-700	1.362166
8769	-122.364	37.71668	2191.33603	0	0	0	RS-700	1.260378
8770	-122.364	37.71668	2178.46281	0	0	0	RS-700	1.196332
8771	-122.364	37.71668	2166.883	0	0	0	RS-700	1.138721
8772	-122.364	37.71668	2160.76843	0	0	0	RS-700	1.108301
8773	-122.364	37.71668	2185.78388	0	0	0	RS-700	1.232756
8774	-122.364	37.71668	2226.57565	0	0	0	RS-700	1.4357

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8775	-122.364	37.71668	2209.45675	0	0	0	RS-700	1.350531
8776	-122.364	37.71668	2164.33215	0	0	0	RS-700	1.126031
8777	-122.364	37.71668	2204.90123	0	0	0	RS-700	1.327867
8778	-122.364	37.71668	2201.89831	0	0	0	RS-700	1.312927
8779	-122.364	37.71668	2161.42102	0	0	0	RS-700	1.111547
8780	-122.364	37.71668	2123.8656	0	0	0	RS-700	0.924704
8781	-122.364	37.71668	2204.78708	0	0	0	RS-700	1.327299
8782	-122.364	37.71668	2142.88343	0	0	0	RS-700	1.019321
8783	-122.364	37.71668	2174.00078	0	0	0	RS-700	1.174133
8784	-122.364	37.71668	2218.68713	0	0	0	RS-700	1.396453
8785	-122.364	37.71668	2149.8723	0	0	0	RS-700	1.054091
8786	-122.364	37.71668	2186.56448	0	0	0	RS-700	1.236639
8787	-122.364	37.71668	2072.53368	0	0	0	RS-700	0.669322
8788	-122.364	37.71668	2144.65737	0	0	0	RS-700	1.028146
8789	-122.364	37.71668	2120.87197	0	0	0	RS-700	0.909811
8790	-122.364	37.71668	2222.46092	0	0	0	RS-700	1.415228
8791	-122.364	37.71668	2155.8806	0	0	0	RS-700	1.083983
8792	-122.364	37.71668	2142.97934	0	0	0	RS-700	1.019798
8793	-122.364	37.71668	2170.45383	0	0	0	RS-700	1.156487
8794	-122.364	37.71668	2189.11481	0	0	0	RS-700	1.249327
8795	-122.364	37.71668	2140.86237	0	0	0	RS-700	1.009266
8796	-122.364	37.71668	2149.87244	0	0	0	RS-700	1.054092
8797	-122.364	37.71668	2203.56043	0	0	0	RS-700	1.321196
8798	-122.364	37.71668	2204.90424	0	0	0	RS-700	1.327882
8799	-122.364	37.71668	2234.01903	0	0	0	RS-700	1.472731
8800	-122.364	37.71668	2160.44782	0	0	0	RS-700	1.106706
8801	-122.364	37.71668	2118.51563	0	0	0	RS-700	0.898088
8802	-122.364	37.71668	2192.21866	0	0	0	RS-700	1.264769
8803	-122.364	37.71668	2114.8642	0	0	0	RS-700	0.879921
8804	-122.364	37.71668	2242.92123	0	0	0	RS-700	1.517021
8805	-122.364	37.71668	2175.31512	0	0	0	RS-700	1.180672
8806	-122.364	37.71668	2120.18484	0	0	0	RS-700	0.906392
8807	-122.364	37.71668	2101.54535	0	0	0	RS-700	0.813658
8808	-122.364	37.71668	2181.55661	0	0	0	RS-700	1.211724
8809	-122.364	37.71668	2091.74834	0	0	0	RS-700	0.764917
8810	-122.364	37.71668	2189.22431	0	0	0	RS-700	1.249872
8811	-122.364	37.71668	2100.64442	0	0	0	RS-700	0.809176
8812	-122.364	37.71668	2163.99445	0	0	0	RS-700	1.12435
8813	-122.364	37.71668	2195.01538	0	0	0	RS-700	1.278683
8814	-122.364	37.71668	2142.33201	0	0	0	RS-700	1.016577
8815	-122.364	37.71668	2146.23163	0	0	0	RS-700	1.035978
8816	-122.364	37.71668	2211.68188	0	0	0	RS-700	1.361601
8817	-122.364	37.71668	2249.58952	0	0	0	RS-700	1.550197
8818	-122.364	37.71668	2207.79103	0	0	0	RS-700	1.342244
8819	-122.364	37.71668	2194.45187	0	0	0	RS-700	1.27588

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8820	-122.364	37.71668	2163.98099	0	0	0	RS-700	1.124284
8821	-122.364	37.71668	2170.67095	0	0	0	RS-700	1.157567
8822	-122.364	37.71668	2143.19603	0	0	0	RS-700	1.020876
8823	-122.364	37.71668	2135.55197	0	0	0	RS-700	0.982846
8824	-122.364	37.71668	2111.86027	0	0	0	RS-700	0.864976
8825	-122.364	37.71668	2171.88415	0	0	0	RS-700	1.163603
8826	-122.364	37.71668	2225.35279	0	0	0	RS-700	1.429616
8827	-122.364	37.71668	2347.29171	0	0	0	RS-700	2.036277
8828	-122.364	37.71668	2193.00517	0	0	0	RS-700	1.268682
8829	-122.364	37.71668	2222.57465	0	0	0	RS-700	1.415794
8830	-122.364	37.71668	2167.21251	0	0	0	RS-700	1.140361
8831	-122.364	37.71668	2155.77116	0	0	0	RS-700	1.083439
8832	-122.364	37.71668	2186.55427	0	0	0	RS-700	1.236588
8833	-122.364	37.71668	2215.57603	0	0	0	RS-700	1.380975
8834	-122.364	37.71668	2220.68402	0	0	0	RS-700	1.406388
8835	-122.364	37.71668	2173.67305	0	0	0	RS-700	1.172503
8836	-122.364	37.71668	2210.78949	0	0	0	RS-700	1.357162
8837	-122.364	37.71668	2151.67457	0	0	0	RS-700	1.063058
8838	-122.364	37.71668	2173.08816	0	0	0	RS-700	1.169593
8839	-122.364	37.71668	2078.64163	0	0	0	RS-700	0.69971
8840	-122.364	37.71668	2152.30937	0	0	0	RS-700	1.066216
8841	-122.364	37.71668	2130.54815	0	0	0	RS-700	0.957951
8842	-122.364	37.71668	2332.93995	0	0	0	RS-700	1.964875
8843	-122.364	37.71668	2157.89365	0	0	0	RS-700	1.093998
8844	-122.364	37.71668	2127.07888	0	0	0	RS-700	0.940691
8845	-122.364	37.71668	2122.74305	0	0	0	RS-700	0.91912
8846	-122.364	37.71668	2202.90103	0	0	0	RS-700	1.317916
8847	-122.364	37.71668	2163.66802	0	0	0	RS-700	1.122726
8848	-122.364	37.71668	2135.87106	0	0	0	RS-700	0.984433
8849	-122.364	37.71668	2082.47812	0	0	0	RS-700	0.718797
8850	-122.364	37.71668	2173.99743	0	0	0	RS-700	1.174117
8851	-122.364	37.71668	2141.33579	0	0	0	RS-700	1.011621
8852	-122.364	37.71668	2189.66748	0	0	0	RS-700	1.252077
8853	-122.364	37.71668	2122.65637	0	0	0	RS-700	0.918688
8854	-122.364	37.71668	2242.15012	0	0	0	RS-700	1.513185
8855	-122.364	37.71668	2120.65367	0	0	0	RS-700	0.908725
8856	-122.364	37.71668	2220.67758	0	0	0	RS-700	1.406356
8857	-122.364	37.71668	2130.08008	0	0	0	RS-700	0.955622
8858	-122.364	37.71668	2179.10516	0	0	0	RS-700	1.199528
8859	-122.364	37.71668	2175.66664	0	0	0	RS-700	1.182421
8860	-122.364	37.71668	2139.65263	0	0	0	RS-700	1.003247
8861	-122.364	37.71668	2141.08904	0	0	0	RS-700	1.010393
8862	-122.364	37.71668	2157.99989	0	0	0	RS-700	1.094527
8863	-122.364	37.71668	2276.9229	0	0	0	RS-700	1.686184
8864	-122.364	37.71668	2174.89333	0	0	0	RS-700	1.178574

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8865	-122.364	37.71668	2185.20213	0	0	0	RS-700	1.229861
8866	-122.364	37.71668	2160.88687	0	0	0	RS-700	1.10889
8867	-122.364	37.71668	2251.03446	0	0	0	RS-700	1.557385
8868	-122.364	37.71668	2172.67417	0	0	0	RS-700	1.167533
8869	-122.364	37.71668	2195.67398	0	0	0	RS-700	1.28196
8870	-122.364	37.71668	2287.61969	0	0	0	RS-700	1.739401
8871	-122.364	37.71668	2194.6775	0	0	0	RS-700	1.277002
8872	-122.364	37.71668	2156.66576	0	0	0	RS-700	1.087889
8873	-122.364	37.71668	2115.07609	0	0	0	RS-700	0.880976
8874	-122.364	37.71668	2120.19267	0	0	0	RS-700	0.906431
8875	-122.364	37.71668	2179.00265	0	0	0	RS-700	1.199018
8876	-122.364	37.71668	2174.21016	0	0	0	RS-700	1.175175
8877	-122.364	37.71668	2223.68525	0	0	0	RS-700	1.42132
8878	-122.364	37.71668	2141.30169	0	0	0	RS-700	1.011451
8879	-122.364	37.71668	2117.5381	0	0	0	RS-700	0.893224
8880	-122.364	37.71668	2231.01874	0	0	0	RS-700	1.457805
8881	-122.364	37.71668	2090.98246	0	0	0	RS-700	0.761107
8882	-122.364	37.71668	2177.21265	0	0	0	RS-700	1.190113
8883	-122.364	37.71668	2198.79082	0	0	0	RS-700	1.297467
8884	-122.364	37.71668	2192.88634	0	0	0	RS-700	1.268091
8885	-122.364	37.71669	2121.54947	0	0	0	RS-700	0.913181
8886	-122.364	37.71669	2133.48121	0	0	0	RS-700	0.972543
8887	-122.364	37.71669	2121.76439	0	0	0	RS-700	0.914251
8888	-122.364	37.71669	2201.89737	0	0	0	RS-700	1.312922
8889	-122.364	37.71669	2180.7794	0	0	0	RS-700	1.207858
8890	-122.364	37.71669	2109.8609	0	0	0	RS-700	0.855029
8891	-122.364	37.71669	2179.2143	0	0	0	RS-700	1.200071
8892	-122.364	37.71669	2127.87194	0	0	0	RS-700	0.944637
8893	-122.364	37.71669	2199.56189	0	0	0	RS-700	1.301303
8894	-122.364	37.71669	2276.14904	0	0	0	RS-700	1.682334
8895	-122.364	37.71669	2186.79064	0	0	0	RS-700	1.237764
8896	-122.364	37.71669	2113.98457	0	0	0	RS-700	0.875545
8897	-122.364	37.71669	2113.20448	0	0	0	RS-700	0.871664
8898	-122.364	37.71669	2172.89324	0	0	0	RS-700	1.168623
8899	-122.364	37.71669	2175.23257	0	0	0	RS-700	1.180262
8900	-122.364	37.71669	2170.33065	0	0	0	RS-700	1.155874
8901	-122.364	37.71669	2165.56611	0	0	0	RS-700	1.13217
8902	-122.364	37.71669	2143.98185	0	0	0	RS-700	1.024785
8903	-122.364	37.7167	2191.32635	0	0	0	RS-700	1.26033
8904	-122.364	37.7167	2148.54784	0	0	0	RS-700	1.047502
8905	-122.364	37.7167	2226.78443	0	0	0	RS-700	1.436738
8906	-122.364	37.71669	2257.36896	0	0	0	RS-700	1.5889
8907	-122.364	37.71669	2164.3089	0	0	0	RS-700	1.125915
8908	-122.364	37.71668	2223.68784	0	0	0	RS-700	1.421333
8909	-122.364	37.71668	2092.74948	0	0	0	RS-700	0.769898



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8910	-122.364	37.71668	2254.37301	0	0	0	RS-700	1.573995
8911	-122.364	37.71667	2207.90075	0	0	0	RS-700	1.34279
8912	-122.364	37.71667	2217.12541	0	0	0	RS-700	1.388684
8913	-122.364	37.71666	2281.70582	0	0	0	RS-700	1.709979
8914	-122.364	37.71666	2211.68094	0	0	0	RS-700	1.361597
8915	-122.364	37.71665	2298.70817	0	0	0	RS-700	1.794568
8916	-122.364	37.71665	2277.6202	0	0	0	RS-700	1.689653
8917	-122.364	37.71664	2309.17249	0	0	0	RS-700	1.846629
8918	-122.364	37.71664	2330.59357	0	0	0	RS-700	1.953202
8919	-122.364	37.71664	2288.6094	0	0	0	RS-700	1.744325
8920	-122.364	37.71663	2299.71247	0	0	0	RS-700	1.799565
8921	-122.364	37.71663	2193.89855	0	0	0	RS-700	1.273127
8922	-122.364	37.71663	2327.30555	0	0	0	RS-700	1.936844
8923	-122.364	37.71663	2275.81436	0	0	0	RS-700	1.680668
8924	-122.364	37.71663	2234.57384	0	0	0	RS-700	1.475492
8925	-122.364	37.71663	2166.78124	0	0	0	RS-700	1.138215
8926	-122.364	37.71663	2317.71266	0	0	0	RS-700	1.889118
8927	-122.364	37.71662	2190.89328	0	0	0	RS-700	1.258176
8928	-122.364	37.71662	2196.45063	0	0	0	RS-700	1.285824
8929	-122.364	37.71662	2170.00104	0	0	0	RS-700	1.154234
8930	-122.364	37.71662	2206.77801	0	0	0	RS-700	1.337204
8931	-122.364	37.71661	2158.98335	0	0	0	RS-700	1.09942
8932	-122.364	37.71661	2113.52514	0	0	0	RS-700	0.873259
8933	-122.364	37.71661	2150.20415	0	0	0	RS-700	1.055742
8934	-122.364	37.71661	2088.43346	0	0	0	RS-700	0.748425
8935	-122.364	37.71661	2097.68403	0	0	0	RS-700	0.794448
8936	-122.364	37.7166	2148.44572	0	0	0	RS-700	1.046994
8937	-122.364	37.7166	2150.0884	0	0	0	RS-700	1.055166
8938	-122.364	37.7166	2146.61401	0	0	0	RS-700	1.037881
8939	-122.364	37.71659	2159.98426	0	0	0	RS-700	1.104399
8940	-122.364	37.71659	2114.86632	0	0	0	RS-700	0.879932
8941	-122.364	37.71659	2250.70031	0	0	0	RS-700	1.555723
8942	-122.364	37.71658	2145.19982	0	0	0	RS-700	1.030845
8943	-122.364	37.71658	2131.09229	0	0	0	RS-700	0.960658
8944	-122.364	37.71657	2237.00355	0	0	0	RS-700	1.48758
8945	-122.364	37.71657	2190.90242	0	0	0	RS-700	1.258221
8946	-122.364	37.71657	2121.51022	0	0	0	RS-700	0.912986
8947	-122.364	37.71656	2139.19715	0	0	0	RS-700	1.000981
8948	-122.364	37.71656	2098.96186	0	0	0	RS-700	0.800805
8949	-122.364	37.71656	2099.1709	0	0	0	RS-700	0.801845
8950	-122.364	37.71655	2160.55673	0	0	0	RS-700	1.107247
8951	-122.364	37.71655	2083.17629	0	0	0	RS-700	0.72227
8952	-122.364	37.71655	2094.64385	0	0	0	RS-700	0.779323
8953	-122.364	37.71654	2102.85917	0	0	0	RS-700	0.820195
8954	-122.364	37.71654	2026.42017	0	0	0	RS-700	0.439901

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
8955	-122.364	37.71654	2045.93862	0	0	0	RS-700	0.537008
8956	-122.364	37.71653	2060.93905	0	0	0	RS-700	0.611637
8957	-122.364	37.71653	1994.91183	0	0	0	RS-700	0.283143
8958	-122.364	37.71652	1927.0742	0	0	0	RS-700	-0.05436
8959	-122.364	37.71652	1948.30433	0	0	0	RS-700	0.051265
8960	-122.364	37.71651	1918.78437	0	0	0	RS-700	-0.0956
8961	-122.364	37.71651	1949.89518	0	0	0	RS-700	0.05918
8962	-122.364	37.7165	1929.49837	0	0	0	RS-700	-0.0423
8963	-122.364	37.7165	1918.20509	0	0	0	RS-700	-0.09848
8964	-122.364	37.7165	1819.01008	0	0	0	RS-700	-0.59199
8965	-122.364	37.71649	1876.47944	0	0	0	RS-700	-0.30607
8966	-122.364	37.71649	1955.89333	0	0	0	RS-700	0.089022
8967	-122.363	37.71649	2047.9207	0	0	0	RS-700	0.546869
8968	-122.363	37.71649	1982.20702	0	0	0	RS-700	0.219935
8969	-122.363	37.71648	1883.76335	0	0	0	RS-700	-0.26983
8970	-122.363	37.71648	2044.6293	0	0	0	RS-700	0.530494
8971	-122.363	37.71648	1971.41109	0	0	0	RS-700	0.166224
8972	-122.363	37.71647	2095.8706	0	0	0	RS-700	0.785426
8973	-122.363	37.71647	2074.6439	0	0	0	RS-700	0.67982
8974	-122.363	37.71646	2011.62916	0	0	0	RS-700	0.366314
8975	-122.363	37.71646	2055.26072	0	0	0	RS-700	0.583387
8976	-122.363	37.71645	1968.59588	0	0	0	RS-700	0.152218
8977	-122.363	37.71645	1964.8871	0	0	0	RS-700	0.133767
8978	-122.363	37.71644	1931.49662	0	0	0	RS-700	-0.03236
8979	-122.363	37.71644	1955.17309	0	0	0	RS-700	0.085438
8980	-122.363	37.71643	1921.97735	0	0	0	RS-700	-0.07971
8981	-122.363	37.71643	2072.53418	0	0	0	RS-700	0.669324
8982	-122.363	37.71643	2077.94971	0	0	0	RS-700	0.696267
8983	-122.363	37.71642	2117.86438	0	0	0	RS-700	0.894848
8984	-122.363	37.71642	2040.93405	0	0	0	RS-700	0.51211
8985	-122.363	37.71641	2045.33037	0	0	0	RS-700	0.533982
8986	-122.363	37.71641	2065.94608	0	0	0	RS-700	0.636548
8987	-122.363	37.71641	2063.43987	0	0	0	RS-700	0.624079
8988	-122.363	37.7164	1993.10843	0	0	0	RS-700	0.274171
8989	-122.363	37.7164	2060.63189	0	0	0	RS-700	0.610109
8990	-122.363	37.71639	2111.64538	0	0	0	RS-700	0.863907
8991	-122.363	37.71639	2122.97086	0	0	0	RS-700	0.920253
8992	-122.363	37.71639	2017.70318	0	0	0	RS-700	0.396533
8993	-122.363	37.71638	2107.86166	0	0	0	RS-700	0.845083
8994	-122.363	37.71638	2105.64811	0	0	0	RS-700	0.83407
8995	-122.363	37.71637	2091.36422	0	0	0	RS-700	0.763006
8996	-122.363	37.71637	2033.53387	0	0	0	RS-700	0.475293
8997	-122.363	37.71637	2011.31801	0	0	0	RS-700	0.364766
8998	-122.363	37.71636	2029.62927	0	0	0	RS-700	0.455867
8999	-122.363	37.71636	2000.61889	0	0	0	RS-700	0.311537

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9000	-122.363	37.71635	2007.62248	0	0	0	RS-700	0.34638
9001	-122.363	37.71635	1937.39703	0	0	0	RS-700	-0.003
9002	-122.363	37.71634	1992.51054	0	0	0	RS-700	0.271197
9003	-122.363	37.71634	1988.91412	0	0	0	RS-700	0.253304
9004	-122.363	37.71633	2032.52554	0	0	0	RS-700	0.470276
9005	-122.363	37.71633	2075.64046	0	0	0	RS-700	0.684778
9006	-122.363	37.71632	2120.88046	0	0	0	RS-700	0.909853
9007	-122.363	37.71631	2147.19986	0	0	0	RS-700	1.040795
9008	-122.363	37.71631	2223.36094	0	0	0	RS-700	1.419706
9009	-122.363	37.7163	2279.81897	0	0	0	RS-700	1.700592
9010	-122.363	37.7163	2114.96626	0	0	0	RS-700	0.880429
9011	-122.363	37.71629	2121.28227	0	0	0	RS-700	0.911852
9012	-122.363	37.71629	2081.25775	0	0	0	RS-700	0.712725
9013	-122.363	37.71629	2134.97659	0	0	0	RS-700	0.979983
9014	-122.363	37.71628	2014.51599	0	0	0	RS-700	0.380677
9015	-122.363	37.71628	2004.12135	0	0	0	RS-700	0.328962
9016	-122.363	37.71627	1953.20917	0	0	0	RS-700	0.075668
9017	-122.363	37.71627	2080.41881	0	0	0	RS-700	0.708551
9018	-122.363	37.71626	2051.94456	0	0	0	RS-700	0.566888
9019	-122.363	37.71626	2043.83434	0	0	0	RS-700	0.526539
9020	-122.363	37.71626	1954.50468	0	0	0	RS-700	0.082113
9021	-122.363	37.71626	2067.61492	0	0	0	RS-700	0.64485
9022	-122.363	37.71625	2009.62466	0	0	0	RS-700	0.356342
9023	-122.363	37.71625	2092.70134	0	0	0	RS-700	0.769658
9024	-122.363	37.71625	2088.32804	0	0	0	RS-700	0.747901
9025	-122.363	37.71625	2152.18495	0	0	0	RS-700	1.065597
9026	-122.363	37.71624	2007.61577	0	0	0	RS-700	0.346347
9027	-122.363	37.71624	1956.50459	0	0	0	RS-700	0.092063
9028	-122.363	37.71624	1978.01288	0	0	0	RS-700	0.199069
9029	-122.363	37.71623	2026.83346	0	0	0	RS-700	0.441958
9030	-122.363	37.71623	2131.61637	0	0	0	RS-700	0.963266
9031	-122.363	37.71623	2055.83931	0	0	0	RS-700	0.586265
9032	-122.363	37.71622	2093.94698	0	0	0	RS-700	0.775856
9033	-122.363	37.71622	2088.54069	0	0	0	RS-700	0.748959
9034	-122.363	37.71621	2046.52329	0	0	0	RS-700	0.539917
9035	-122.363	37.71621	2061.73667	0	0	0	RS-700	0.615605
9036	-122.363	37.71621	1974.80442	0	0	0	RS-700	0.183107
9037	-122.363	37.7162	2069.15477	0	0	0	RS-700	0.652511
9038	-122.363	37.7162	2079.65229	0	0	0	RS-700	0.704738
9039	-122.363	37.71619	1954.60869	0	0	0	RS-700	0.08263
9040	-122.363	37.71619	2063.42797	0	0	0	RS-700	0.62402
9041	-122.363	37.71619	2010.53392	0	0	0	RS-700	0.360865
9042	-122.363	37.71618	1978.60909	0	0	0	RS-700	0.202035
9043	-122.363	37.71618	1982.90746	0	0	0	RS-700	0.22342
9044	-122.363	37.71618	1973.79452	0	0	0	RS-700	0.178082

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9045	-122.363	37.71617	1997.20085	0	0	0	RS-700	0.294532
9046	-122.363	37.71617	1966.30769	0	0	0	RS-700	0.140834
9047	-122.363	37.71616	1917.07313	0	0	0	RS-700	-0.10411
9048	-122.363	37.71616	1759.89777	0	0	0	RS-700	-0.88608
9049	-122.363	37.71615	1623.43231	0	0	0	RS-700	-1.56501
9050	-122.363	37.71615	1612.64963	0	0	0	RS-700	-1.61866
9051	-122.363	37.71615	1723.36442	0	0	0	RS-700	-1.06784
9052	-122.363	37.71614	1313.33718	0	0	0	RS-700	-3.10778
9053	-122.363	37.71614	1167.24162	0	0	0	RS-700	-3.83462
9054	-122.363	37.71614	1619.65907	0	0	0	RS-700	-1.58379
9055	-122.363	37.71613	1707.60956	0	0	0	RS-700	-1.14622
9056	-122.363	37.71613	1960.41896	0	0	0	RS-700	0.111537
9057	-122.363	37.71612	2102.96814	0	0	0	RS-700	0.820737
9058	-122.363	37.71612	2147.88407	0	0	0	RS-700	1.044199
9059	-122.363	37.71612	2213.79386	0	0	0	RS-700	1.372109
9060	-122.363	37.71612	2183.65815	0	0	0	RS-700	1.22218
9061	-122.363	37.71611	2036.62812	0	0	0	RS-700	0.490687
9062	-122.363	37.71611	2006.71823	0	0	0	RS-700	0.341882
9063	-122.363	37.7161	2082.1626	0	0	0	RS-700	0.717227
9064	-122.363	37.7161	2114.99843	0	0	0	RS-700	0.880589
9065	-122.363	37.71609	1984.71673	0	0	0	RS-700	0.232422
9066	-122.363	37.71609	1993.81384	0	0	0	RS-700	0.277681
9067	-122.363	37.71609	1995.01178	0	0	0	RS-700	0.283641
9068	-122.363	37.71609	2024.23408	0	0	0	RS-700	0.429025
9069	-122.363	37.71608	1965.39102	0	0	0	RS-700	0.136274
9070	-122.363	37.71608	1918.78748	0	0	0	RS-700	-0.09558
9071	-122.363	37.71608	1634.99424	0	0	0	RS-700	-1.50749
9072	-122.363	37.71608	1497.2211	0	0	0	RS-700	-2.19293
9073	-122.363	37.71607	1438.52945	0	0	0	RS-700	-2.48493
9074	-122.363	37.71607	1331.25206	0	0	0	RS-700	-3.01865
9075	-122.363	37.71607	1400.38729	0	0	0	RS-700	-2.67469
9076	-122.363	37.71606	1776.64086	0	0	0	RS-700	-0.80278
9077	-122.363	37.71606	1976.80602	0	0	0	RS-700	0.193065
9078	-122.363	37.71605	2088.76248	0	0	0	RS-700	0.750062
9079	-122.363	37.71605	1968.90322	0	0	0	RS-700	0.153747
9080	-122.363	37.71605	1970.70903	0	0	0	RS-700	0.162731
9081	-122.363	37.71604	1967.98731	0	0	0	RS-700	0.149191
9082	-122.363	37.71604	1974.10746	0	0	0	RS-700	0.179639
9083	-122.363	37.71603	1952.69874	0	0	0	RS-700	0.073128
9084	-122.363	37.71602	1862.68761	0	0	0	RS-700	-0.37469
9085	-122.363	37.71602	1595.4924	0	0	0	RS-700	-1.70402
9086	-122.363	37.71602	1505.61347	0	0	0	RS-700	-2.15118
9087	-122.363	37.71601	1780.54996	0	0	0	RS-700	-0.78333
9088	-122.363	37.71601	2006.92862	0	0	0	RS-700	0.342928
9089	-122.363	37.71601	2089.85868	0	0	0	RS-700	0.755516

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9090	-122.363	37.71601	2134.98179	0	0	0	RS-700	0.980009
9091	-122.363	37.716	2043.93549	0	0	0	RS-700	0.527042
9092	-122.363	37.716	2026.02035	0	0	0	RS-700	0.437912
9093	-122.363	37.716	2115.08627	0	0	0	RS-700	0.881026
9094	-122.363	37.716	1992.00726	0	0	0	RS-700	0.268693
9095	-122.363	37.716	2106.75217	0	0	0	RS-700	0.839563
9096	-122.363	37.716	1964.60477	0	0	0	RS-700	0.132362
9097	-122.363	37.716	2103.33156	0	0	0	RS-700	0.822545
9098	-122.363	37.716	2021.72219	0	0	0	RS-700	0.416528
9099	-122.363	37.716	2025.02739	0	0	0	RS-700	0.432972
9100	-122.363	37.716	2079.26397	0	0	0	RS-700	0.702806
9101	-122.363	37.716	2039.52547	0	0	0	RS-700	0.505102
9102	-122.363	37.716	2112.84723	0	0	0	RS-700	0.869887
9103	-122.363	37.716	2090.42641	0	0	0	RS-700	0.75834
9104	-122.363	37.716	2039.8408	0	0	0	RS-700	0.506671
9105	-122.363	37.716	2045.63416	0	0	0	RS-700	0.535493
9106	-122.363	37.71599	2046.71741	0	0	0	RS-700	0.540883
9107	-122.363	37.71598	2009.22166	0	0	0	RS-700	0.354337
9108	-122.363	37.71598	2064.84755	0	0	0	RS-700	0.631082
9109	-122.363	37.71597	2145.34231	0	0	0	RS-700	1.031554
9110	-122.363	37.71597	2009.82013	0	0	0	RS-700	0.357314
9111	-122.363	37.71596	2037.7276	0	0	0	RS-700	0.496157
9112	-122.363	37.71595	1993.60454	0	0	0	RS-700	0.27664
9113	-122.363	37.71595	2005.30197	0	0	0	RS-700	0.334836
9114	-122.363	37.71594	2155.87524	0	0	0	RS-700	1.083956
9115	-122.363	37.71594	2077.64025	0	0	0	RS-700	0.694728
9116	-122.363	37.71593	2041.44922	0	0	0	RS-700	0.514673
9117	-122.363	37.71593	2042.93749	0	0	0	RS-700	0.522077
9118	-122.363	37.71593	2011.02291	0	0	0	RS-700	0.363298
9119	-122.363	37.71593	2098.75611	0	0	0	RS-700	0.799782
9120	-122.363	37.71593	1949.40486	0	0	0	RS-700	0.056741
9121	-122.363	37.71593	2058.14148	0	0	0	RS-700	0.597719
9122	-122.363	37.71593	1979.73754	0	0	0	RS-700	0.207649
9123	-122.363	37.71593	2028.84925	0	0	0	RS-700	0.451986
9124	-122.363	37.71593	2098.74606	0	0	0	RS-700	0.799732
9125	-122.363	37.71592	2001.71619	0	0	0	RS-700	0.316996
9126	-122.363	37.71592	2011.62318	0	0	0	RS-700	0.366284
9127	-122.363	37.71592	1958.50522	0	0	0	RS-700	0.102016
9128	-122.363	37.71592	1984.49957	0	0	0	RS-700	0.231341
9129	-122.363	37.71592	2020.72042	0	0	0	RS-700	0.411544
9130	-122.363	37.71591	1949.90329	0	0	0	RS-700	0.05922
9131	-122.363	37.71591	1886.6803	0	0	0	RS-700	-0.25532
9132	-122.363	37.71591	1870.57016	0	0	0	RS-700	-0.33547
9133	-122.363	37.7159	1920.09794	0	0	0	RS-700	-0.08906
9134	-122.363	37.7159	1926.68634	0	0	0	RS-700	-0.05629

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9135	-122.363	37.71589	1927.88298	0	0	0	RS-700	-0.05033
9136	-122.363	37.71589	1874.95014	0	0	0	RS-700	-0.31368
9137	-122.362	37.71588	1941.69405	0	0	0	RS-700	0.018378
9138	-122.362	37.71587	1850.66233	0	0	0	RS-700	-0.43452
9139	-122.362	37.71587	1791.37258	0	0	0	RS-700	-0.72949
9140	-122.362	37.71586	1875.86334	0	0	0	RS-700	-0.30914
9141	-122.362	37.71586	1872.67359	0	0	0	RS-700	-0.32501
9142	-122.362	37.71585	1810.82692	0	0	0	RS-700	-0.6327
9143	-122.362	37.71585	1816.28807	0	0	0	RS-700	-0.60553
9144	-122.362	37.71584	1783.63152	0	0	0	RS-700	-0.768
9145	-122.362	37.71584	1661.42954	0	0	0	RS-700	-1.37597
9146	-122.362	37.71583	1795.73744	0	0	0	RS-700	-0.70777
9147	-122.362	37.71583	1918.98379	0	0	0	RS-700	-0.09461
9148	-122.362	37.71582	2018.82456	0	0	0	RS-700	0.402112
9149	-122.362	37.71582	1929.59273	0	0	0	RS-700	-0.04183
9150	-122.362	37.71581	2030.52835	0	0	0	RS-700	0.46034
9151	-122.362	37.71581	2022.72739	0	0	0	RS-700	0.421529
9152	-122.362	37.7158	2028.72798	0	0	0	RS-700	0.451383
9153	-122.362	37.7158	2049.52822	0	0	0	RS-700	0.554867
9154	-122.362	37.71579	2125.41872	0	0	0	RS-700	0.932431
9155	-122.362	37.71579	2043.84981	0	0	0	RS-700	0.526616
9156	-122.362	37.71579	1960.5108	0	0	0	RS-700	0.111994
9157	-122.362	37.71579	2073.66231	0	0	0	RS-700	0.674937
9158	-122.362	37.71579	1972.51175	0	0	0	RS-700	0.1717
9159	-122.362	37.71579	1581.32751	0	0	0	RS-700	-1.77449
9160	-122.362	37.71578	1318.70355	0	0	0	RS-700	-3.08108
9161	-122.362	37.71578	1342.08543	0	0	0	RS-700	-2.96475
9162	-122.362	37.71578	1324.14227	0	0	0	RS-700	-3.05402
9163	-122.362	37.71577	1807.36805	0	0	0	RS-700	-0.64991
9164	-122.362	37.71577	2023.72308	0	0	0	RS-700	0.426483
9165	-122.362	37.71576	2109.70689	0	0	0	RS-700	0.854263
9166	-122.362	37.71576	2074.94893	0	0	0	RS-700	0.681338
9167	-122.362	37.71575	2093.51382	0	0	0	RS-700	0.773701
9168	-122.362	37.71575	2118.0149	0	0	0	RS-700	0.895597
9169	-122.362	37.71574	2085.53395	0	0	0	RS-700	0.734
9170	-122.362	37.71574	2062.16175	0	0	0	RS-700	0.61772
9171	-122.362	37.71573	2051.25783	0	0	0	RS-700	0.563472
9172	-122.362	37.71572	2052.94763	0	0	0	RS-700	0.571879
9173	-122.362	37.71572	2013.71938	0	0	0	RS-700	0.376713
9174	-122.362	37.71571	2055.73797	0	0	0	RS-700	0.585761
9175	-122.362	37.7157	2090.64395	0	0	0	RS-700	0.759423
9176	-122.362	37.7157	2081.63334	0	0	0	RS-700	0.714594
9177	-122.362	37.71569	2084.75575	0	0	0	RS-700	0.730128
9178	-122.362	37.71568	2056.74116	0	0	0	RS-700	0.590752
9179	-122.362	37.71568	2133.97629	0	0	0	RS-700	0.975006

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9180	-122.362	37.71568	2254.15088	0	0	0	RS-700	1.57289
9181	-122.362	37.71568	2368.73094	0	0	0	RS-700	2.14294
9182	-122.362	37.71568	2439.60846	0	0	0	RS-700	2.495564
9183	-122.362	37.71569	2515.02746	0	0	0	RS-700	2.870783
9184	-122.362	37.7157	2571.05051	0	0	0	RS-700	3.149505
9185	-122.362	37.7157	2566.31753	0	0	0	RS-700	3.125958
9186	-122.362	37.71571	2543.17276	0	0	0	RS-700	3.01081
9187	-122.362	37.71571	2546.66104	0	0	0	RS-700	3.028164
9188	-122.362	37.71571	2493.14322	0	0	0	RS-700	2.761907
9189	-122.362	37.71571	2490.88222	0	0	0	RS-700	2.750658
9190	-122.362	37.71571	2556.16062	0	0	0	RS-700	3.075426
9191	-122.362	37.71571	2577.18069	0	0	0	RS-700	3.180003
9192	-122.362	37.71571	2589.3229	0	0	0	RS-700	3.240412
9193	-122.362	37.71571	2476.12258	0	0	0	RS-700	2.677227
9194	-122.362	37.71571	2489.89251	0	0	0	RS-700	2.745734
9195	-122.362	37.71571	2418.12184	0	0	0	RS-700	2.388666
9196	-122.362	37.71572	2340.07341	0	0	0	RS-700	2.000365
9197	-122.362	37.71572	2248.81064	0	0	0	RS-700	1.546322
9198	-122.362	37.71571	2413.98545	0	0	0	RS-700	2.368087
9199	-122.362	37.71571	2425.37674	0	0	0	RS-700	2.42476
9200	-122.362	37.71571	2489.16865	0	0	0	RS-700	2.742133
9201	-122.362	37.71571	2528.66826	0	0	0	RS-700	2.938648
9202	-122.362	37.71571	2529.28529	0	0	0	RS-700	2.941718
9203	-122.362	37.7157	2524.03781	0	0	0	RS-700	2.915611
9204	-122.362	37.7157	2419.21504	0	0	0	RS-700	2.394105
9205	-122.362	37.7157	2439.97096	0	0	0	RS-700	2.497368
9206	-122.362	37.7157	2550.42665	0	0	0	RS-700	3.046899
9207	-122.362	37.71569	2450.02225	0	0	0	RS-700	2.547374
9208	-122.362	37.71569	2373.9691	0	0	0	RS-700	2.169
9209	-122.362	37.71568	2201.99526	0	0	0	RS-700	1.313409
9210	-122.362	37.71568	2138.19023	0	0	0	RS-700	0.995971
9211	-122.362	37.71567	2123.08091	0	0	0	RS-700	0.920801
9212	-122.362	37.71566	2084.9588	0	0	0	RS-700	0.731138
9213	-122.362	37.71566	2110.43635	0	0	0	RS-700	0.857892
9214	-122.362	37.71565	2146.77052	0	0	0	RS-700	1.038659
9215	-122.362	37.71565	2039.72726	0	0	0	RS-700	0.506106
9216	-122.362	37.71565	1983.80762	0	0	0	RS-700	0.227899
9217	-122.362	37.71564	1932.69702	0	0	0	RS-700	-0.02638
9218	-122.362	37.71564	2018.02291	0	0	0	RS-700	0.398124
9219	-122.362	37.71563	1983.68792	0	0	0	RS-700	0.227303
9220	-122.362	37.71563	1942.69644	0	0	0	RS-700	0.023365
9221	-122.362	37.71562	1879.29722	0	0	0	RS-700	-0.29205
9222	-122.362	37.71562	1936.8916	0	0	0	RS-700	-0.00551
9223	-122.362	37.71561	1996.82598	0	0	0	RS-700	0.292667
9224	-122.362	37.71561	2001.6201	0	0	0	RS-700	0.316518

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9225	-122.362	37.7156	1912.39331	0	0	0	RS-700	-0.1274
9226	-122.362	37.7156	1948.28009	0	0	0	RS-700	0.051145
9227	-122.362	37.71561	1927.16634	0	0	0	RS-700	-0.0539
9228	-122.362	37.71561	1958.30757	0	0	0	RS-700	0.101033
9229	-122.362	37.71562	1929.79207	0	0	0	RS-700	-0.04084
9230	-122.362	37.71562	1912.49986	0	0	0	RS-700	-0.12687
9231	-122.362	37.71563	2030.52452	0	0	0	RS-700	0.460321
9232	-122.362	37.71564	2023.43671	0	0	0	RS-700	0.425058
9233	-122.362	37.71564	1960.80177	0	0	0	RS-700	0.113442
9234	-122.362	37.71565	2036.52452	0	0	0	RS-700	0.490172
9235	-122.362	37.71566	2052.0431	0	0	0	RS-700	0.567379
9236	-122.362	37.71566	2037.03576	0	0	0	RS-700	0.492715
9237	-122.362	37.71567	2033.42827	0	0	0	RS-700	0.474768
9238	-122.362	37.71567	2040.84682	0	0	0	RS-700	0.511676
9239	-122.362	37.71568	2126.65548	0	0	0	RS-700	0.938584
9240	-122.362	37.71568	2189.55995	0	0	0	RS-700	1.251542
9241	-122.362	37.71569	2197.67832	0	0	0	RS-700	1.291932
9242	-122.362	37.71569	2299.05046	0	0	0	RS-700	1.796271
9243	-122.362	37.7157	2310.17586	0	0	0	RS-700	1.851621
9244	-122.362	37.71571	2351.48164	0	0	0	RS-700	2.057123
9245	-122.362	37.71571	2389.5528	0	0	0	RS-700	2.246531
9246	-122.362	37.71572	2285.94329	0	0	0	RS-700	1.731061
9247	-122.362	37.71572	2211.02034	0	0	0	RS-700	1.35831
9248	-122.362	37.71572	2243.91562	0	0	0	RS-700	1.521968
9249	-122.362	37.71572	2273.92302	0	0	0	RS-700	1.671259
9250	-122.362	37.71572	2271.17547	0	0	0	RS-700	1.657589
9251	-122.362	37.71572	2213.22769	0	0	0	RS-700	1.369292
9252	-122.362	37.71571	2248.88476	0	0	0	RS-700	1.54669
9253	-122.362	37.71571	2255.25682	0	0	0	RS-700	1.578392
9254	-122.362	37.71571	2253.14308	0	0	0	RS-700	1.567876
9255	-122.362	37.71571	2248.69375	0	0	0	RS-700	1.54574
9256	-122.362	37.71571	2289.16195	0	0	0	RS-700	1.747074
9257	-122.362	37.7157	2184.46274	0	0	0	RS-700	1.226183
9258	-122.362	37.7157	2252.14415	0	0	0	RS-700	1.562906
9259	-122.362	37.71569	2179.89707	0	0	0	RS-700	1.203468
9260	-122.362	37.71569	2098.06494	0	0	0	RS-700	0.796343
9261	-122.362	37.71569	2180.34046	0	0	0	RS-700	1.205674
9262	-122.362	37.71569	2109.75706	0	0	0	RS-700	0.854513
9263	-122.362	37.71569	2134.55144	0	0	0	RS-700	0.977868
9264	-122.362	37.71569	2171.66734	0	0	0	RS-700	1.162524
9265	-122.362	37.71569	2232.46434	0	0	0	RS-700	1.464997
9266	-122.362	37.71569	2331.65381	0	0	0	RS-700	1.958477
9267	-122.362	37.7157	2360.44107	0	0	0	RS-700	2.101697
9268	-122.362	37.71571	2455.8765	0	0	0	RS-700	2.5765
9269	-122.362	37.71571	2312.16881	0	0	0	RS-700	1.861536



**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9270	-122.362	37.7157	2235.91195	0	0	0	RS-700	1.482149
9271	-122.362	37.71569	2222.90994	0	0	0	RS-700	1.417462
9272	-122.362	37.71569	2191.12051	0	0	0	RS-700	1.259306
9273	-122.362	37.71568	2111.65394	0	0	0	RS-700	0.86395
9274	-122.362	37.71568	1973.10418	0	0	0	RS-700	0.174648
9275	-122.362	37.71567	1821.58527	0	0	0	RS-700	-0.57918
9276	-122.362	37.71566	2160.55378	0	0	0	RS-700	1.107233
9277	-122.362	37.71566	2105.96365	0	0	0	RS-700	0.83564
9278	-122.362	37.71565	1999.81226	0	0	0	RS-700	0.307524
9279	-122.362	37.71564	2092.53892	0	0	0	RS-700	0.76885
9280	-122.362	37.71564	2070.46565	0	0	0	RS-700	0.659033
9281	-122.362	37.71564	2041.63095	0	0	0	RS-700	0.515577
9282	-122.362	37.71564	1970.69487	0	0	0	RS-700	0.162661
9283	-122.362	37.71565	2050.62826	0	0	0	RS-700	0.56034
9284	-122.362	37.71566	2117.86872	0	0	0	RS-700	0.894869
9285	-122.362	37.71566	2158.778	0	0	0	RS-700	1.098398
9286	-122.362	37.71567	2056.32074	0	0	0	RS-700	0.58866
9287	-122.362	37.71567	2193.89653	0	0	0	RS-700	1.273117
9288	-122.362	37.71568	2350.71915	0	0	0	RS-700	2.053329
9289	-122.362	37.71568	2378.09445	0	0	0	RS-700	2.189525
9290	-122.362	37.71569	2475.87529	0	0	0	RS-700	2.675996
9291	-122.362	37.7157	2474.98466	0	0	0	RS-700	2.671565
9292	-122.362	37.7157	2574.7959	0	0	0	RS-700	3.168139
9293	-122.362	37.7157	2494.64115	0	0	0	RS-700	2.769359
9294	-122.362	37.7157	2490.00152	0	0	0	RS-700	2.746276
9295	-122.362	37.7157	2480.8835	0	0	0	RS-700	2.700913
9296	-122.362	37.7157	2408.82241	0	0	0	RS-700	2.3424
9297	-122.362	37.71567	2486.26192	0	0	0	RS-700	2.727671
9298	-122.362	37.71567	2426.85581	0	0	0	RS-700	2.432118
9299	-122.362	37.71567	2528.39814	0	0	0	RS-700	2.937304
9300	-122.362	37.71567	2495.02684	0	0	0	RS-700	2.771278
9301	-122.362	37.71567	2476.60119	0	0	0	RS-700	2.679608
9302	-122.362	37.71567	2469.87008	0	0	0	RS-700	2.64612
9303	-122.362	37.71567	2429.25913	0	0	0	RS-700	2.444075
9304	-122.362	37.71567	2493.02462	0	0	0	RS-700	2.761317
9305	-122.362	37.71566	2361.29583	0	0	0	RS-700	2.105949
9306	-122.362	37.71566	2260.02558	0	0	0	RS-700	1.602117
9307	-122.362	37.71565	2187.79123	0	0	0	RS-700	1.242742
9308	-122.362	37.71565	1843.48482	0	0	0	RS-700	-0.47022
9309	-122.362	37.71565	1897.30283	0	0	0	RS-700	-0.20247
9310	-122.362	37.71565	2133.18215	0	0	0	RS-700	0.971055
9311	-122.362	37.71565	2116.83103	0	0	0	RS-700	0.889707
9312	-122.362	37.71565	1983.1984	0	0	0	RS-700	0.224868
9313	-122.362	37.71565	2045.93022	0	0	0	RS-700	0.536966
9314	-122.362	37.71565	1994.20758	0	0	0	RS-700	0.27964

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9315	-122.362	37.71565	2009.11471	0	0	0	RS-700	0.353805
9316	-122.362	37.71564	2019.71831	0	0	0	RS-700	0.406559
9317	-122.362	37.71564	2029.71915	0	0	0	RS-700	0.456314
9318	-122.362	37.71564	1881.5709	0	0	0	RS-700	-0.28074
9319	-122.362	37.71564	2012.91714	0	0	0	RS-700	0.372722
9320	-122.362	37.71564	1905.48994	0	0	0	RS-700	-0.16174
9321	-122.362	37.71564	1967.40352	0	0	0	RS-700	0.146286
9322	-122.362	37.71563	2058.34207	0	0	0	RS-700	0.598717
9323	-122.362	37.71563	2059.52444	0	0	0	RS-700	0.604599
9324	-122.362	37.71562	1946.49793	0	0	0	RS-700	0.042278
9325	-122.362	37.71561	1978.02798	0	0	0	RS-700	0.199144
9326	-122.362	37.71561	1968.5711	0	0	0	RS-700	0.152095
9327	-122.362	37.7156	1946.59742	0	0	0	RS-700	0.042773
9328	-122.362	37.71559	1986.30831	0	0	0	RS-700	0.24034
9329	-122.362	37.71559	1973.79789	0	0	0	RS-700	0.178099
9330	-122.362	37.71558	1996.59483	0	0	0	RS-700	0.291517
9331	-122.362	37.71557	1917.30179	0	0	0	RS-700	-0.10298
9332	-122.362	37.71557	1901.67347	0	0	0	RS-700	-0.18073
9333	-122.362	37.71556	1943.97382	0	0	0	RS-700	0.02972
9334	-122.362	37.71556	1921.68721	0	0	0	RS-700	-0.08116
9335	-122.362	37.71555	1934.87352	0	0	0	RS-700	-0.01555
9336	-122.362	37.71555	1922.0842	0	0	0	RS-700	-0.07918
9337	-122.362	37.71555	1984.60032	0	0	0	RS-700	0.231842
9338	-122.362	37.71554	2073.63533	0	0	0	RS-700	0.674803
9339	-122.362	37.71554	1980.11052	0	0	0	RS-700	0.209505
9340	-122.362	37.71554	2079.84208	0	0	0	RS-700	0.705682
9341	-122.362	37.71554	2040.62169	0	0	0	RS-700	0.510556
9342	-122.362	37.71554	1960.49958	0	0	0	RS-700	0.111938
9343	-122.362	37.71553	2087.21692	0	0	0	RS-700	0.742373
9344	-122.362	37.71553	1868.27644	0	0	0	RS-700	-0.34688
9345	-122.362	37.71553	1841.56044	0	0	0	RS-700	-0.4798
9346	-122.362	37.71552	1877.38093	0	0	0	RS-700	-0.30159
9347	-122.362	37.71552	1766.44696	0	0	0	RS-700	-0.8535
9348	-122.362	37.71552	1911.29049	0	0	0	RS-700	-0.13288
9349	-122.362	37.71552	1999.70738	0	0	0	RS-700	0.307002
9350	-122.362	37.71552	1987.59619	0	0	0	RS-700	0.246747
9351	-122.362	37.71551	2043.23087	0	0	0	RS-700	0.523537
9352	-122.362	37.71551	2028.61574	0	0	0	RS-700	0.450825
9353	-122.362	37.7155	1940.09985	0	0	0	RS-700	0.010447
9354	-122.362	37.7155	1744.6204	0	0	0	RS-700	-0.96209
9355	-122.362	37.71549	1967.60466	0	0	0	RS-700	0.147287
9356	-122.362	37.71549	2050.5209	0	0	0	RS-700	0.559805
9357	-122.362	37.71548	2063.73365	0	0	0	RS-700	0.625541
9358	-122.362	37.71548	1897.28992	0	0	0	RS-700	-0.20254
9359	-122.362	37.71547	1959.40027	0	0	0	RS-700	0.106469

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9360	-122.362	37.71547	1961.48187	0	0	0	RS-700	0.116825
9361	-122.362	37.71546	2002.00887	0	0	0	RS-700	0.318452
9362	-122.362	37.71545	1942.9839	0	0	0	RS-700	0.024796
9363	-122.362	37.71545	1973.33234	0	0	0	RS-700	0.175783
9364	-122.362	37.71544	1780.44904	0	0	0	RS-700	-0.78384
9365	-122.362	37.71543	1897.48842	0	0	0	RS-700	-0.20155
9366	-122.362	37.71543	1932.58946	0	0	0	RS-700	-0.02692
9367	-122.362	37.71542	1908.48291	0	0	0	RS-700	-0.14685
9368	-122.362	37.71542	1955.79296	0	0	0	RS-700	0.088522
9369	-122.362	37.71541	1982.91247	0	0	0	RS-700	0.223445
9370	-122.362	37.71541	1914.41219	0	0	0	RS-700	-0.11735
9371	-122.362	37.71541	1875.86699	0	0	0	RS-700	-0.30912
9372	-122.362	37.7154	1826.64074	0	0	0	RS-700	-0.55403
9373	-122.362	37.7154	1824.27653	0	0	0	RS-700	-0.56579
9374	-122.362	37.7154	1943.30031	0	0	0	RS-700	0.02637
9375	-122.362	37.7154	1855.56326	0	0	0	RS-700	-0.41013
9376	-122.362	37.7154	1858.5715	0	0	0	RS-700	-0.39517
9377	-122.362	37.7154	1864.75119	0	0	0	RS-700	-0.36442
9378	-122.362	37.7154	1894.14467	0	0	0	RS-700	-0.21819
9379	-122.362	37.7154	1886.47926	0	0	0	RS-700	-0.25632
9380	-122.362	37.7154	1912.9775	0	0	0	RS-700	-0.12449
9381	-122.362	37.7154	1927.29703	0	0	0	RS-700	-0.05325
9382	-122.362	37.7154	1904.78333	0	0	0	RS-700	-0.16526
9383	-122.362	37.7154	1976.70361	0	0	0	RS-700	0.192555
9384	-122.362	37.7154	1858.93758	0	0	0	RS-700	-0.39335
9385	-122.362	37.7154	1950.3962	0	0	0	RS-700	0.061673
9386	-122.362	37.71539	1882.75972	0	0	0	RS-700	-0.27483
9387	-122.362	37.71539	1901.05498	0	0	0	RS-700	-0.18381
9388	-122.362	37.71539	1998.60884	0	0	0	RS-700	0.301537
9389	-122.362	37.71539	1886.2852	0	0	0	RS-700	-0.25729
9390	-122.362	37.71539	1921.8733	0	0	0	RS-700	-0.08023
9391	-122.362	37.71539	1940.97851	0	0	0	RS-700	0.014818
9392	-122.362	37.71539	1905.58695	0	0	0	RS-700	-0.16126
9393	-122.362	37.71539	2002.81036	0	0	0	RS-700	0.32244
9394	-122.362	37.71539	1924.87298	0	0	0	RS-700	-0.06531
9395	-122.362	37.71538	2026.12534	0	0	0	RS-700	0.438435
9396	-122.362	37.71538	1973.6062	0	0	0	RS-700	0.177145
9397	-122.362	37.71538	2065.52405	0	0	0	RS-700	0.634448
9398	-122.362	37.71538	1989.41509	0	0	0	RS-700	0.255796
9399	-122.362	37.71538	1986.30332	0	0	0	RS-700	0.240315
9400	-122.362	37.71537	2020.02672	0	0	0	RS-700	0.408093
9401	-122.362	37.71537	1997.80795	0	0	0	RS-700	0.297552
9402	-122.362	37.71537	1901.15118	0	0	0	RS-700	-0.18333
9403	-122.362	37.71537	2052.72801	0	0	0	RS-700	0.570786
9404	-122.362	37.71536	2114.7318	0	0	0	RS-700	0.879263

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9405	-122.362	37.71536	2057.55391	0	0	0	RS-700	0.594796
9406	-122.362	37.71536	1992.50862	0	0	0	RS-700	0.271187
9407	-122.362	37.71536	1994.01114	0	0	0	RS-700	0.278662
9408	-122.362	37.71535	2001.0079	0	0	0	RS-700	0.313472
9409	-122.362	37.71535	1967.49882	0	0	0	RS-700	0.14676
9410	-122.362	37.71535	1867.38251	0	0	0	RS-700	-0.35133
9411	-122.362	37.71534	1978.7933	0	0	0	RS-700	0.202952
9412	-122.362	37.71534	1923.84743	0	0	0	RS-700	-0.07041
9413	-122.362	37.71533	1820.46214	0	0	0	RS-700	-0.58477
9414	-122.362	37.71533	1789.81404	0	0	0	RS-700	-0.73724
9415	-122.362	37.71533	1898.58323	0	0	0	RS-700	-0.1961
9416	-122.362	37.71532	1855.65518	0	0	0	RS-700	-0.40968
9417	-122.362	37.71532	1858.75933	0	0	0	RS-700	-0.39423
9418	-122.362	37.71531	1953.98732	0	0	0	RS-700	0.079539
9419	-122.362	37.71531	2010.79839	0	0	0	RS-700	0.362181
9420	-122.362	37.7153	2013.81793	0	0	0	RS-700	0.377204
9421	-122.362	37.7153	2078.63233	0	0	0	RS-700	0.699663
9422	-122.362	37.71529	2015.6176	0	0	0	RS-700	0.386157
9423	-122.362	37.71529	1983.50742	0	0	0	RS-700	0.226405
9424	-122.362	37.71528	1897.06627	0	0	0	RS-700	-0.20365
9425	-122.362	37.71528	1972.02966	0	0	0	RS-700	0.169302
9426	-122.362	37.71528	1887.67237	0	0	0	RS-700	-0.25039
9427	-122.362	37.71527	1824.73827	0	0	0	RS-700	-0.56349
9428	-122.362	37.71527	1854.75194	0	0	0	RS-700	-0.41417
9429	-122.362	37.71526	1874.66661	0	0	0	RS-700	-0.31509
9430	-122.362	37.71526	1874.76906	0	0	0	RS-700	-0.31458
9431	-122.362	37.71525	1869.66547	0	0	0	RS-700	-0.33997
9432	-122.362	37.71525	1878.65142	0	0	0	RS-700	-0.29527
9433	-122.362	37.71525	1854.93636	0	0	0	RS-700	-0.41325
9434	-122.362	37.71524	1909.67781	0	0	0	RS-700	-0.14091
9435	-122.362	37.71524	1887.28547	0	0	0	RS-700	-0.25231
9436	-122.362	37.71523	1890.59028	0	0	0	RS-700	-0.23587
9437	-122.362	37.71522	1921.87502	0	0	0	RS-700	-0.08022
9438	-122.362	37.71521	1749.79504	0	0	0	RS-700	-0.93634
9439	-122.362	37.71521	1859.56704	0	0	0	RS-700	-0.39021
9440	-122.362	37.7152	1783.99549	0	0	0	RS-700	-0.76619
9441	-122.361	37.71519	1882.66776	0	0	0	RS-700	-0.27528
9442	-122.361	37.71519	1821.93673	0	0	0	RS-700	-0.57743
9443	-122.361	37.71518	1899.47692	0	0	0	RS-700	-0.19166
9444	-122.361	37.71518	1823.56137	0	0	0	RS-700	-0.56935
9445	-122.361	37.71517	1777.9883	0	0	0	RS-700	-0.79608
9446	-122.361	37.71516	1834.37521	0	0	0	RS-700	-0.51555
9447	-122.361	37.71516	1810.46032	0	0	0	RS-700	-0.63453
9448	-122.361	37.71515	1831.46552	0	0	0	RS-700	-0.53002
9449	-122.361	37.71514	1777.53494	0	0	0	RS-700	-0.79833

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9450	-122.361	37.71514	1745.35797	0	0	0	RS-700	-0.95842
9451	-122.361	37.71513	1735.96937	0	0	0	RS-700	-1.00513
9452	-122.361	37.71512	1787.63751	0	0	0	RS-700	-0.74807
9453	-122.361	37.71512	1880.42088	0	0	0	RS-700	-0.28646
9454	-122.361	37.71511	1859.13096	0	0	0	RS-700	-0.39238
9455	-122.361	37.71511	1845.65336	0	0	0	RS-700	-0.45944
9456	-122.361	37.7151	1823.82989	0	0	0	RS-700	-0.56801
9457	-122.361	37.7151	1844.91307	0	0	0	RS-700	-0.46312
9458	-122.361	37.7151	1904.48577	0	0	0	RS-700	-0.16674
9459	-122.361	37.71509	1861.56617	0	0	0	RS-700	-0.38027
9460	-122.361	37.71509	1803.18773	0	0	0	RS-700	-0.67071
9461	-122.361	37.71508	1812.45904	0	0	0	RS-700	-0.62458
9462	-122.361	37.71508	1790.36874	0	0	0	RS-700	-0.73448
9463	-122.361	37.71508	1888.48472	0	0	0	RS-700	-0.24634
9464	-122.361	37.71508	1896.7688	0	0	0	RS-700	-0.20513
9465	-122.361	37.71507	1932.88376	0	0	0	RS-700	-0.02545
9466	-122.361	37.71507	1917.68353	0	0	0	RS-700	-0.10108
9467	-122.361	37.71506	1945.69227	0	0	0	RS-700	0.03827
9468	-122.361	37.71506	1924.59115	0	0	0	RS-700	-0.06671
9469	-122.361	37.71506	1904.39901	0	0	0	RS-700	-0.16717
9470	-122.361	37.71505	2041.10961	0	0	0	RS-700	0.512983
9471	-122.361	37.71505	1933.58837	0	0	0	RS-700	-0.02195
9472	-122.361	37.71505	1865.66482	0	0	0	RS-700	-0.35988
9473	-122.361	37.71505	1925.58745	0	0	0	RS-700	-0.06175
9474	-122.361	37.71505	1918.58557	0	0	0	RS-700	-0.09659
9475	-122.361	37.71505	1931.78228	0	0	0	RS-700	-0.03093
9476	-122.361	37.71505	1952.49816	0	0	0	RS-700	0.07213
9477	-122.361	37.71504	1917.07214	0	0	0	RS-700	-0.10412
9478	-122.361	37.71504	1981.60337	0	0	0	RS-700	0.216932
9479	-122.361	37.71503	1876.4879	0	0	0	RS-700	-0.30603
9480	-122.361	37.71503	1890.30844	0	0	0	RS-700	-0.23727
9481	-122.361	37.71502	1914.29385	0	0	0	RS-700	-0.11794
9482	-122.361	37.71502	1921.98812	0	0	0	RS-700	-0.07966
9483	-122.361	37.71501	1896.29173	0	0	0	RS-700	-0.2075
9484	-122.361	37.71501	1925.40441	0	0	0	RS-700	-0.06266
9485	-122.361	37.71501	1962.88729	0	0	0	RS-700	0.123817
9486	-122.361	37.715	1859.38107	0	0	0	RS-700	-0.39114
9487	-122.361	37.715	1908.96312	0	0	0	RS-700	-0.14446
9488	-122.361	37.71499	1874.58255	0	0	0	RS-700	-0.31551
9489	-122.361	37.71499	1820.83043	0	0	0	RS-700	-0.58293
9490	-122.361	37.71499	1780.706	0	0	0	RS-700	-0.78256
9491	-122.361	37.71498	1747.61942	0	0	0	RS-700	-0.94717
9492	-122.361	37.71498	1805.56754	0	0	0	RS-700	-0.65887
9493	-122.361	37.71498	1843.20104	0	0	0	RS-700	-0.47164
9494	-122.361	37.71497	1929.87928	0	0	0	RS-700	-0.0404

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9495	-122.361	37.71497	1916.87072	0	0	0	RS-700	-0.10512
9496	-122.361	37.71497	1902.9747	0	0	0	RS-700	-0.17426
9497	-122.361	37.71496	1858.66621	0	0	0	RS-700	-0.3947
9498	-122.361	37.71496	1836.27217	0	0	0	RS-700	-0.50611
9499	-122.361	37.71496	1837.55703	0	0	0	RS-700	-0.49972
9500	-122.361	37.71496	1851.37855	0	0	0	RS-700	-0.43095
9501	-122.361	37.71496	1849.9414	0	0	0	RS-700	-0.4381
9502	-122.361	37.71495	1800.82106	0	0	0	RS-700	-0.68248
9503	-122.361	37.71495	1867.28937	0	0	0	RS-700	-0.35179
9504	-122.361	37.71495	1791.81198	0	0	0	RS-700	-0.7273
9505	-122.361	37.71495	1858.47521	0	0	0	RS-700	-0.39565
9506	-122.361	37.71495	1881.66872	0	0	0	RS-700	-0.28026
9507	-122.361	37.71494	1993.91608	0	0	0	RS-700	0.278189
9508	-122.361	37.71494	1936.78436	0	0	0	RS-700	-0.00605
9509	-122.361	37.71494	2038.82666	0	0	0	RS-700	0.501625
9510	-122.361	37.71493	2082.6353	0	0	0	RS-700	0.719579
9511	-122.361	37.71493	1960.5978	0	0	0	RS-700	0.112427
9512	-122.361	37.71492	1855.75241	0	0	0	RS-700	-0.40919
9513	-122.361	37.71492	1746.05641	0	0	0	RS-700	-0.95494
9514	-122.361	37.71491	1858.38076	0	0	0	RS-700	-0.39612
9515	-122.361	37.71491	1877.95171	0	0	0	RS-700	-0.29875
9516	-122.361	37.71491	1911.67894	0	0	0	RS-700	-0.13095
9517	-122.361	37.7149	1866.92955	0	0	0	RS-700	-0.35358
9518	-122.361	37.7149	1772.89503	0	0	0	RS-700	-0.82142
9519	-122.361	37.7149	1497.22806	0	0	0	RS-700	-2.1929
9520	-122.361	37.7149	1319.26522	0	0	0	RS-700	-3.07828
9521	-122.361	37.71489	1267.25921	0	0	0	RS-700	-3.33702
9522	-122.361	37.71489	1227.37219	0	0	0	RS-700	-3.53546
9523	-122.361	37.71489	1061.16401	0	0	0	RS-700	-4.36237
9524	-122.361	37.71488	1063.15681	0	0	0	RS-700	-4.35245
9525	-122.361	37.71488	1194.30574	0	0	0	RS-700	-3.69997
9526	-122.361	37.71488	1414.43423	0	0	0	RS-700	-2.6048
9527	-122.361	37.71487	1562.63898	0	0	0	RS-700	-1.86747
9528	-122.361	37.71487	1801.64265	0	0	0	RS-700	-0.67839
9529	-122.361	37.71487	1765.54043	0	0	0	RS-700	-0.85801
9530	-122.361	37.71486	1873.6687	0	0	0	RS-700	-0.32006
9531	-122.361	37.71486	1913.68355	0	0	0	RS-700	-0.12098
9532	-122.361	37.71486	1890.76673	0	0	0	RS-700	-0.23499
9533	-122.361	37.71486	1895.77317	0	0	0	RS-700	-0.21008
9534	-122.361	37.71486	1944.08169	0	0	0	RS-700	0.030257
9535	-122.361	37.71486	1913.77146	0	0	0	RS-700	-0.12054
9536	-122.361	37.71485	1846.64337	0	0	0	RS-700	-0.45451
9537	-122.361	37.71485	1810.64603	0	0	0	RS-700	-0.6336
9538	-122.361	37.71485	1927.20791	0	0	0	RS-700	-0.05369
9539	-122.361	37.71485	1877.14068	0	0	0	RS-700	-0.30278

**Gamma Scan Survey Results**  
**Survey Unit 4 Surfaces**

SeqNum	Long	Lat	D1_D2_Tot	Northing	Easting	Gamma	Det	Zs
9540	-122.361	37.71485	1922.58998	0	0	0	RS-700	-0.07667
9541	-122.361	37.71485	1897.67463	0	0	0	RS-700	-0.20062
9542	-122.361	37.71485	1864.84976	0	0	0	RS-700	-0.36393
9543	-122.361	37.71485	1897.86054	0	0	0	RS-700	-0.1997
9544	-122.361	37.71485	1893.9581	0	0	0	RS-700	-0.21911
9545	-122.361	37.71485	1845.83981	0	0	0	RS-700	-0.45851
9546	-122.361	37.71485	1835.65627	0	0	0	RS-700	-0.50917
9547	-122.361	37.71485	1900.1446	0	0	0	RS-700	-0.18834
9548	-122.361	37.71484	1895.85254	0	0	0	RS-700	-0.20969
9549	-122.361	37.71484	1859.29644	0	0	0	RS-700	-0.39156
9550	-122.361	37.71483	1864.65747	0	0	0	RS-700	-0.36489
9551	-122.361	37.71483	1962.58956	0	0	0	RS-700	0.122336
9552	-122.361	37.71482	1951.40004	0	0	0	RS-700	0.066667
9553	-122.361	37.71482	1958.59357	0	0	0	RS-700	0.102456
9554	-122.361	37.71482	1964.40242	0	0	0	RS-700	0.131355
9555	-122.361	37.71481	1955.30328	0	0	0	RS-700	0.086086
9556	-122.361	37.71481	1928.58828	0	0	0	RS-700	-0.04682
9557	-122.361	37.71481	1900.29302	0	0	0	RS-700	-0.1876
9558	-122.361	37.71481	1921.2951	0	0	0	RS-700	-0.08311
9559	-122.361	37.7148	2002.61014	0	0	0	RS-700	0.321443
9560	-122.361	37.7148	1948.59628	0	0	0	RS-700	0.052718
9561	-122.361	37.7148	1954.79369	0	0	0	RS-700	0.083551
9562	-122.361	37.7148	2053.52655	0	0	0	RS-700	0.574759
9563	-122.361	37.71479	2093.05776	0	0	0	RS-700	0.771432
9564	-122.361	37.71479	2243.58842	0	0	0	RS-700	1.52034
9565	-122.361	37.71479	2226.67659	0	0	0	RS-700	1.436202
9566	-122.361	37.71479	2079.91253	0	0	0	RS-700	0.706032
9567	-122.361	37.71478	2224.78322	0	0	0	RS-700	1.426782
9568	-122.361	37.71478	2207.44126	0	0	0	RS-700	1.340504
9569	-122.361	37.71478	2115.8524	0	0	0	RS-700	0.884838
9570	-122.361	37.71478	2152.8792	0	0	0	RS-700	1.069051
9571	-122.361	37.71477	2022.82709	0	0	0	RS-700	0.422025
9572	-122.361	37.71477	2050.93197	0	0	0	RS-700	0.561851
9573	-122.361	37.71477	2031.31029	0	0	0	RS-700	0.46423
9574	-122.361	37.71477	2060.43365	0	0	0	RS-700	0.609123
9575	-122.361	37.71476	2090.98469	0	0	0	RS-700	0.761118
9576	-122.361	37.71476	2038.12612	0	0	0	RS-700	0.49814
9577	-122.361	37.71476	2072.2606	0	0	0	RS-700	0.667963
9578	-122.361	37.71476	1910.68168	0	0	0	RS-700	-0.13591
9579	-122.361	37.71476	2101.06188	0	0	0	RS-700	0.811253
9580	-122.361	37.71476	1949.88835	0	0	0	RS-700	0.059146
9581	-122.361	37.71476	2098.26739	0	0	0	RS-700	0.79735
9582	-122.361	37.71475	1956.71514	0	0	0	RS-700	0.09311
9583	-122.361	37.71475	2006.31343	0	0	0	RS-700	0.339868
9584	-122.361	37.71475	1867.75835	0	0	0	RS-700	-0.34946